

FIG. 1

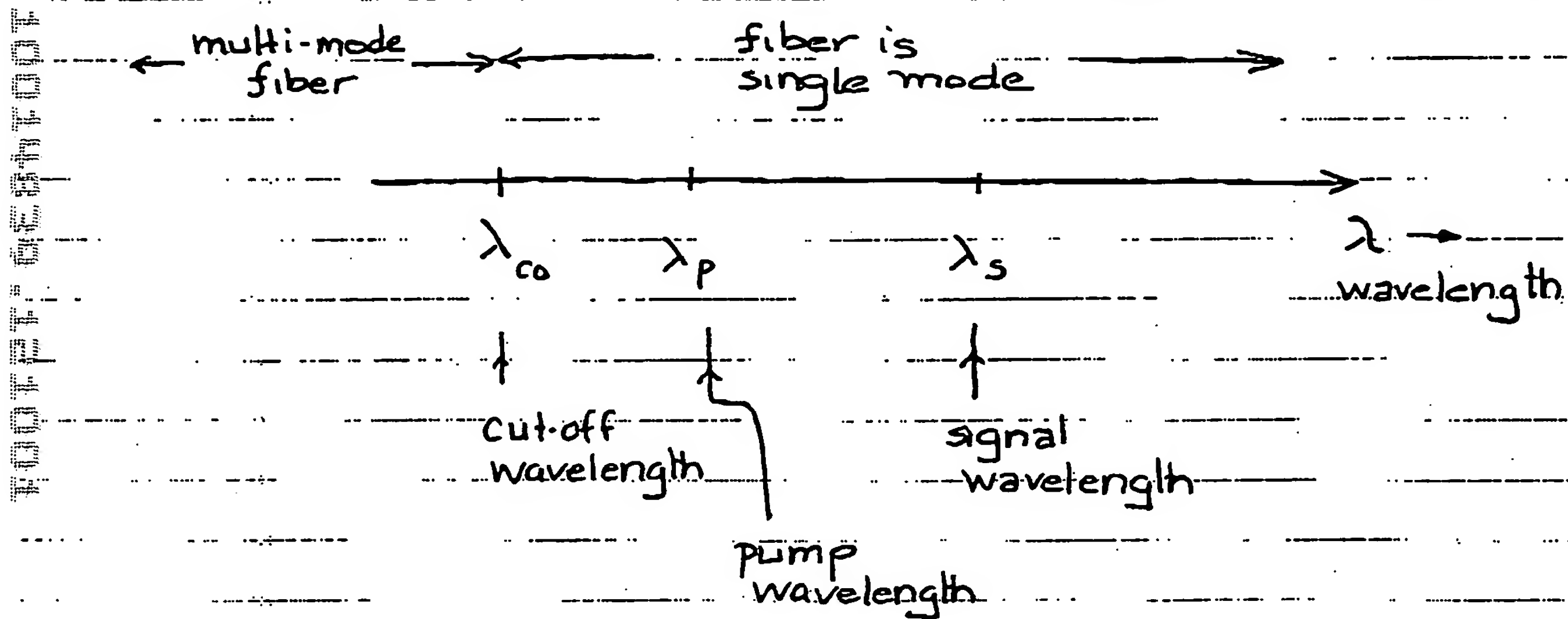


FIG. 2

FOOT-684100T

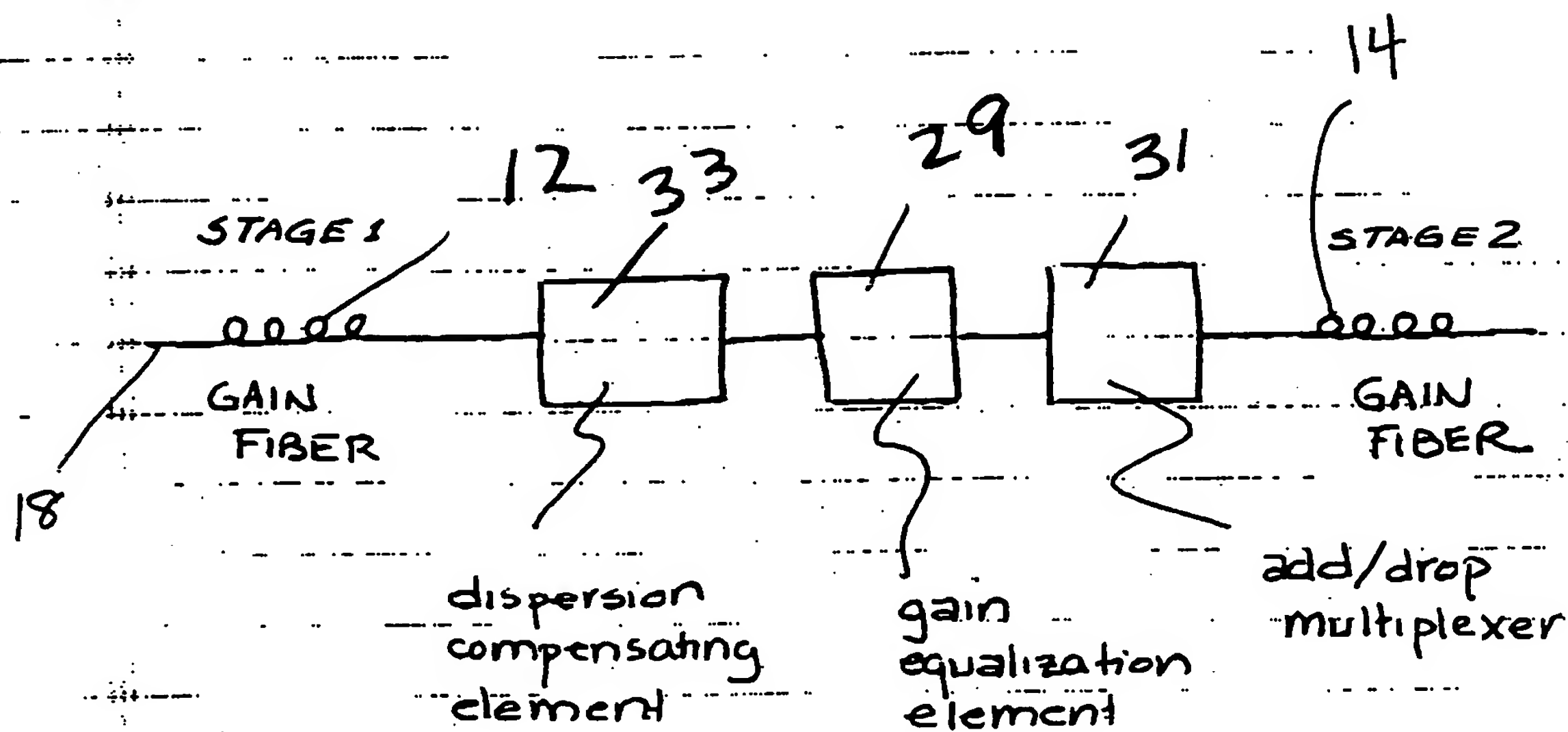


FIG. 3

FOOT - FOOT

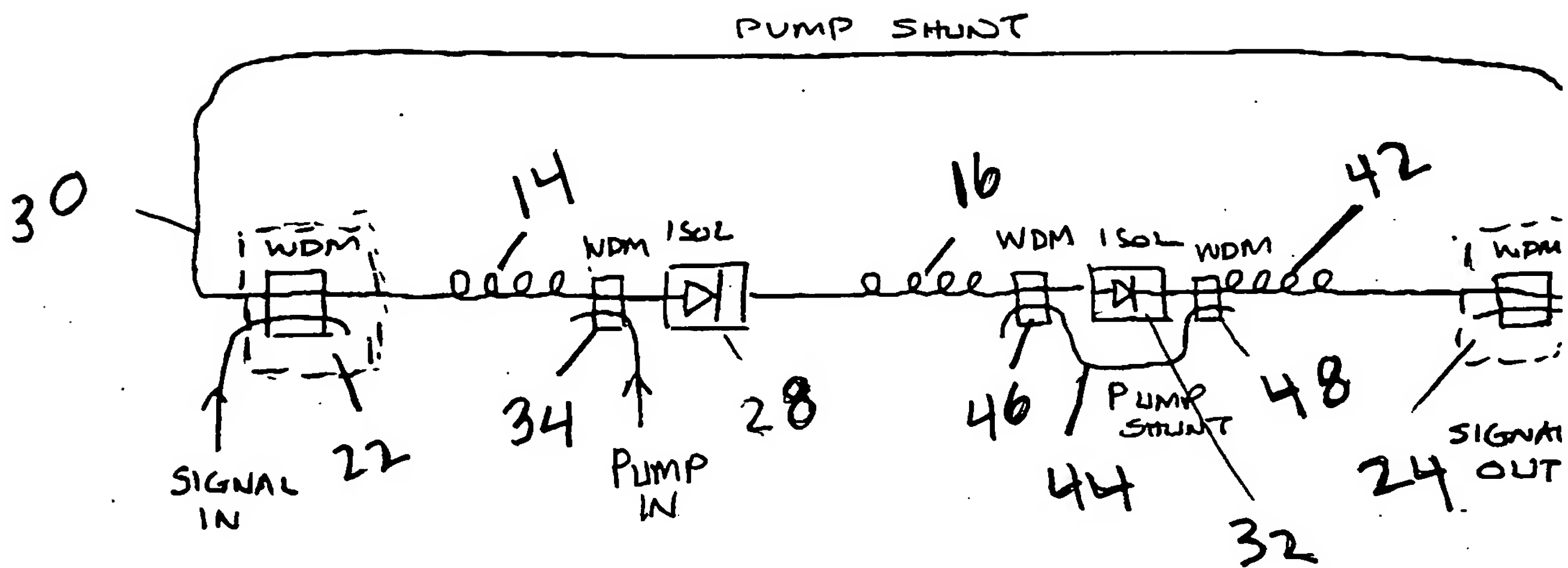


FIG. 4

FIG. 5

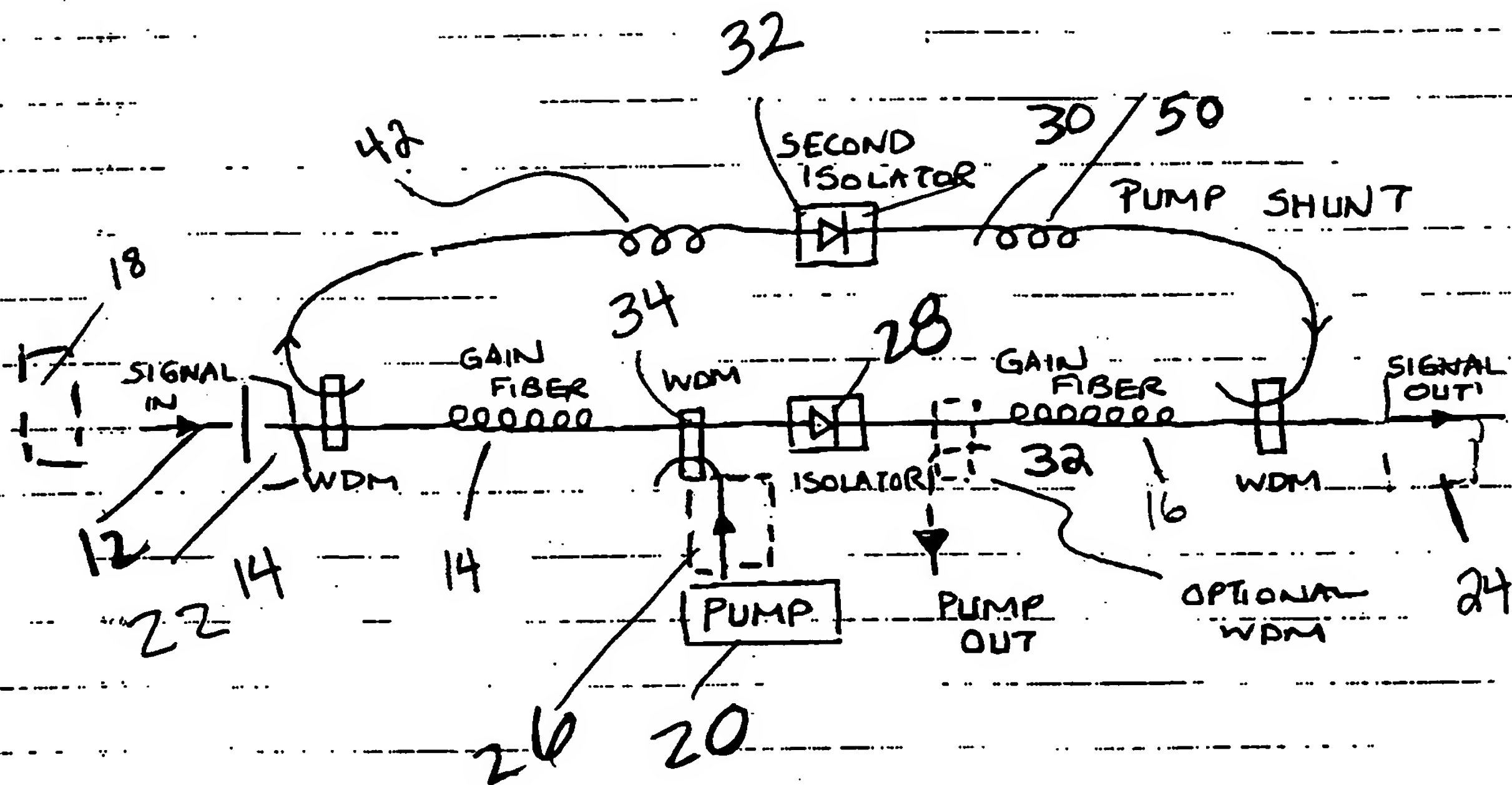


FIG. 5

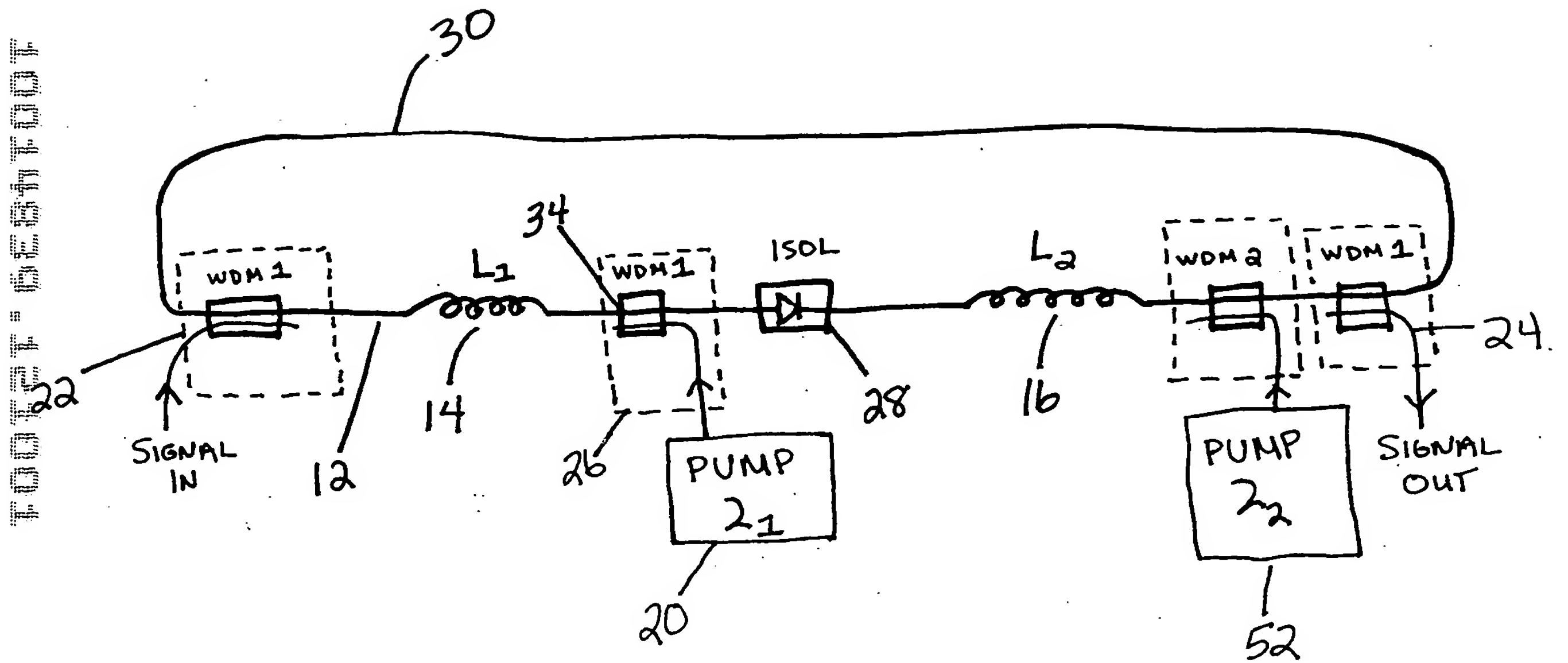


FIG. 6

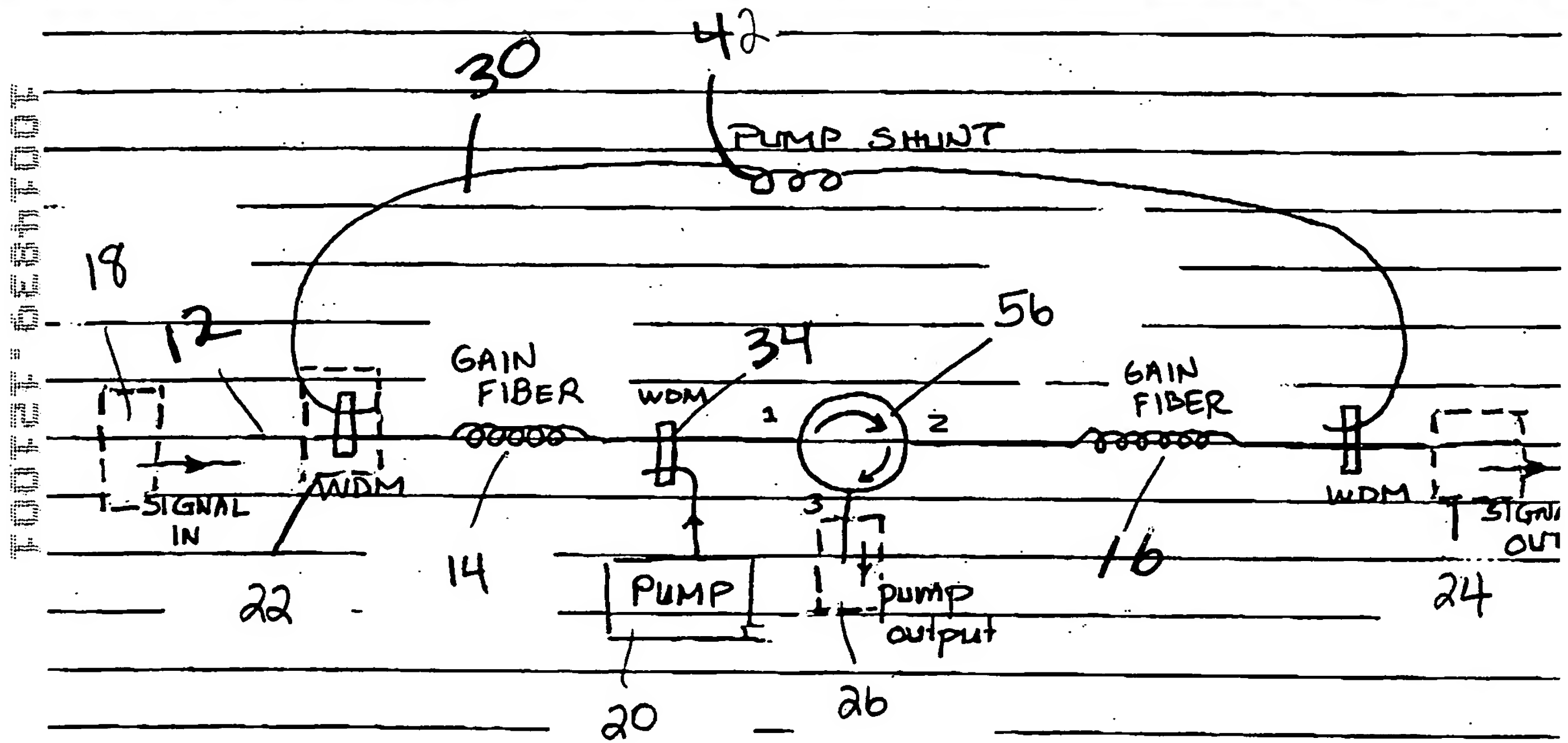


FIG. 7

TOP VIEW

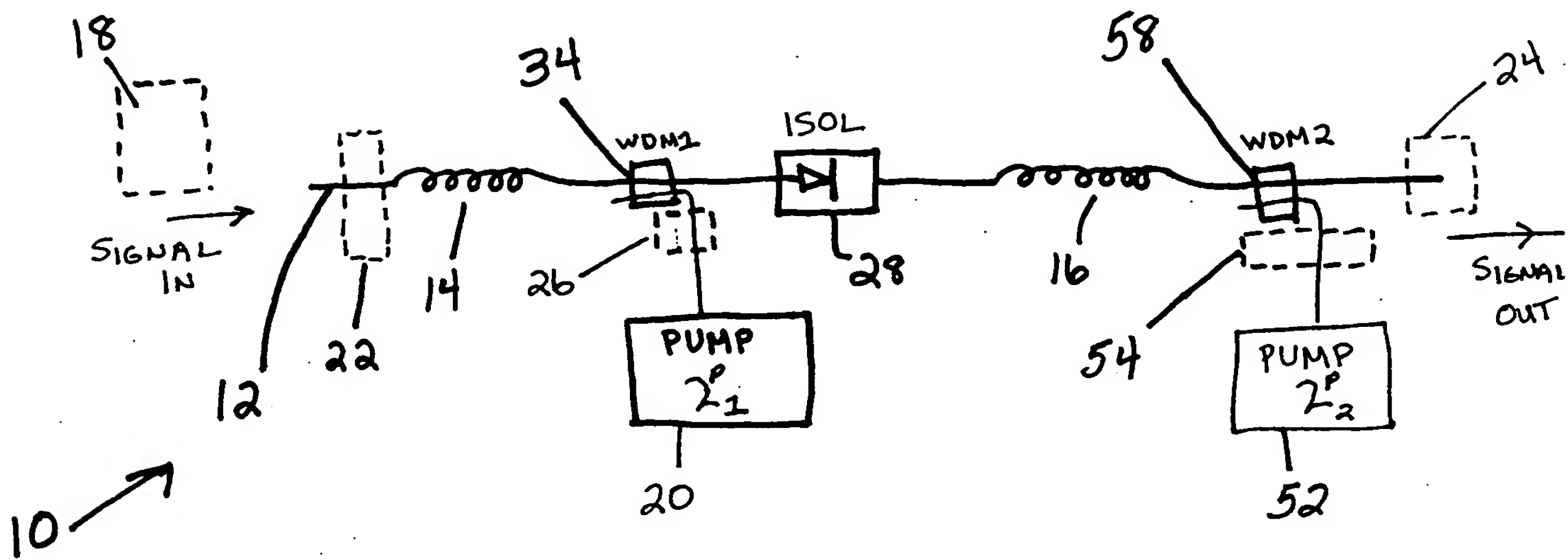


FIG. 8

FIG. 8b

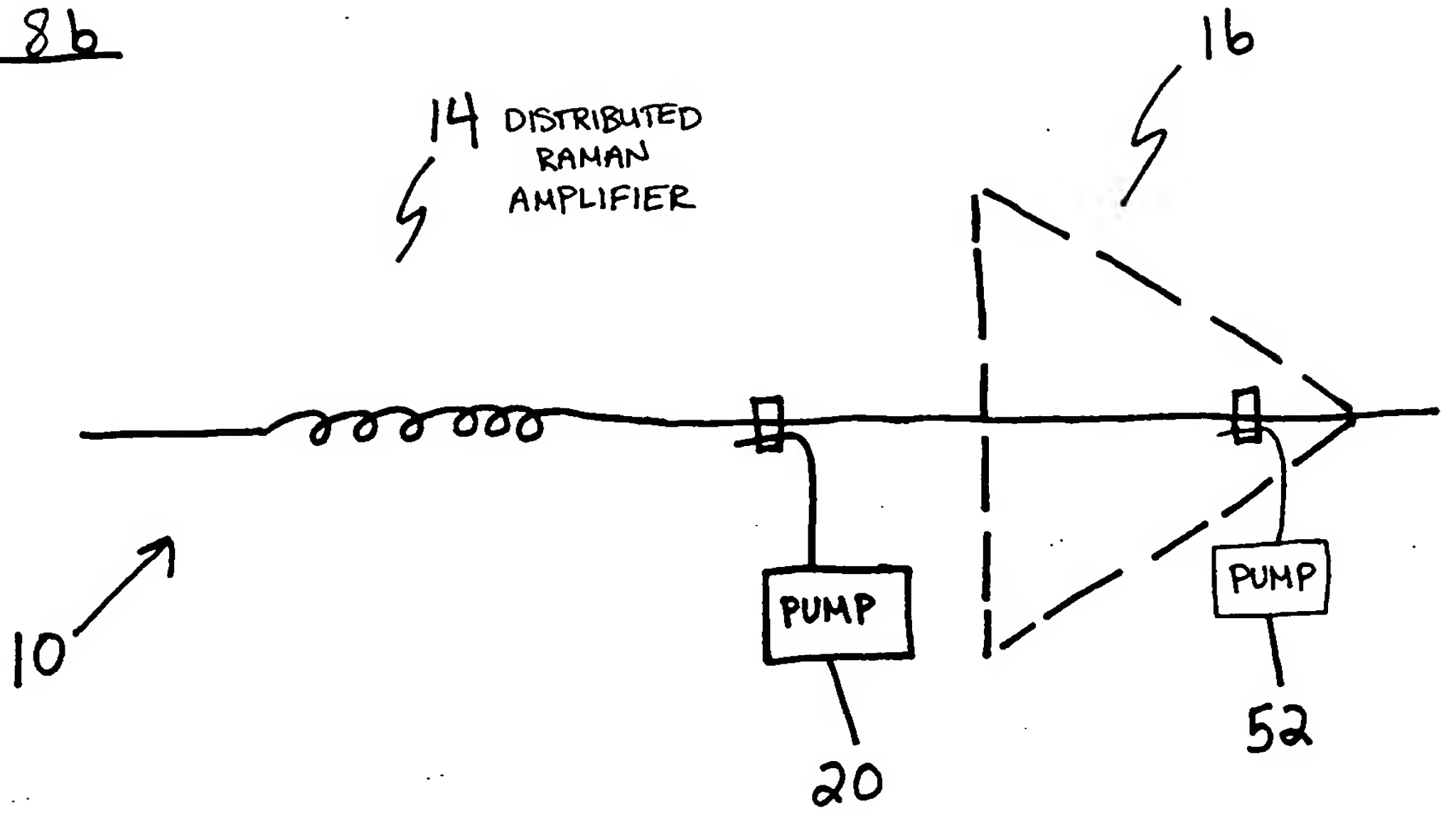
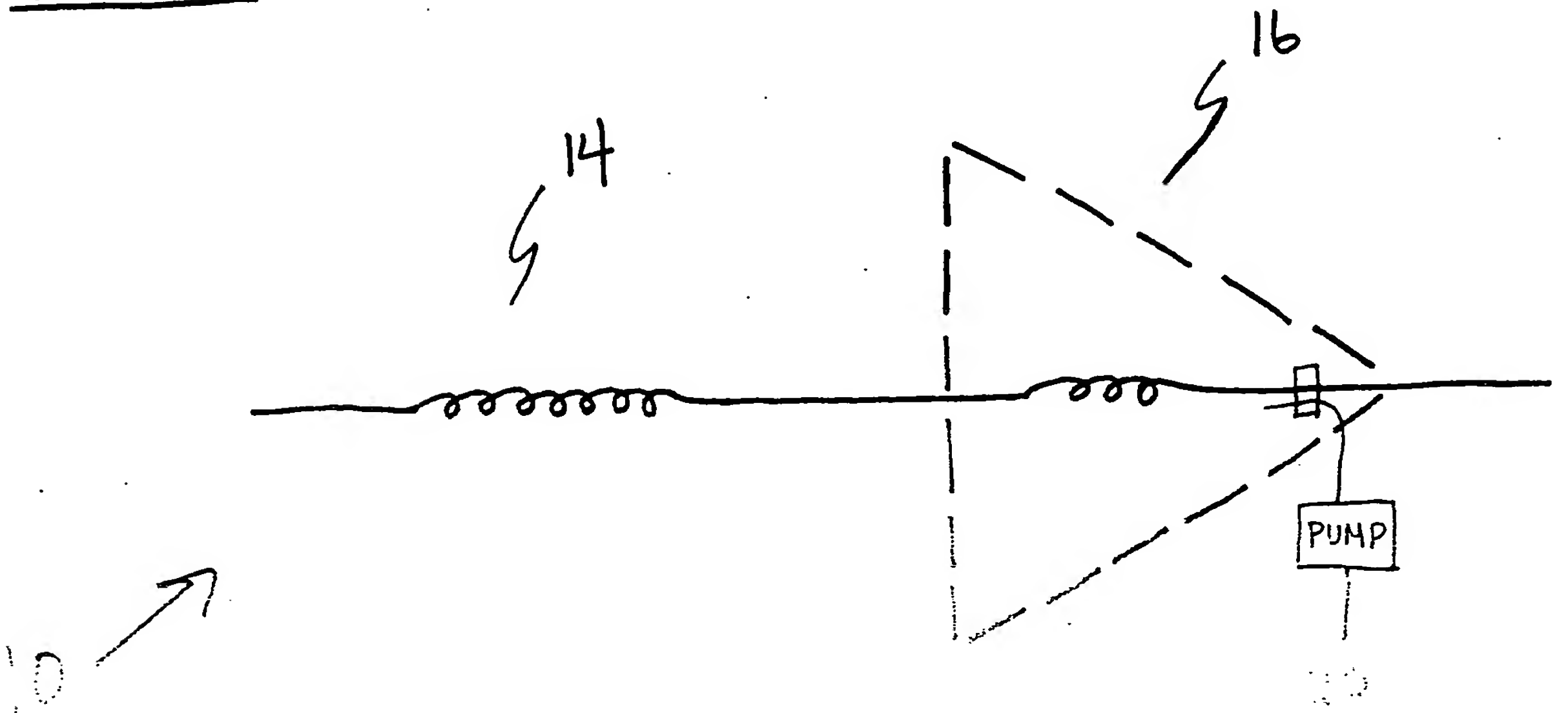


FIG. 8c



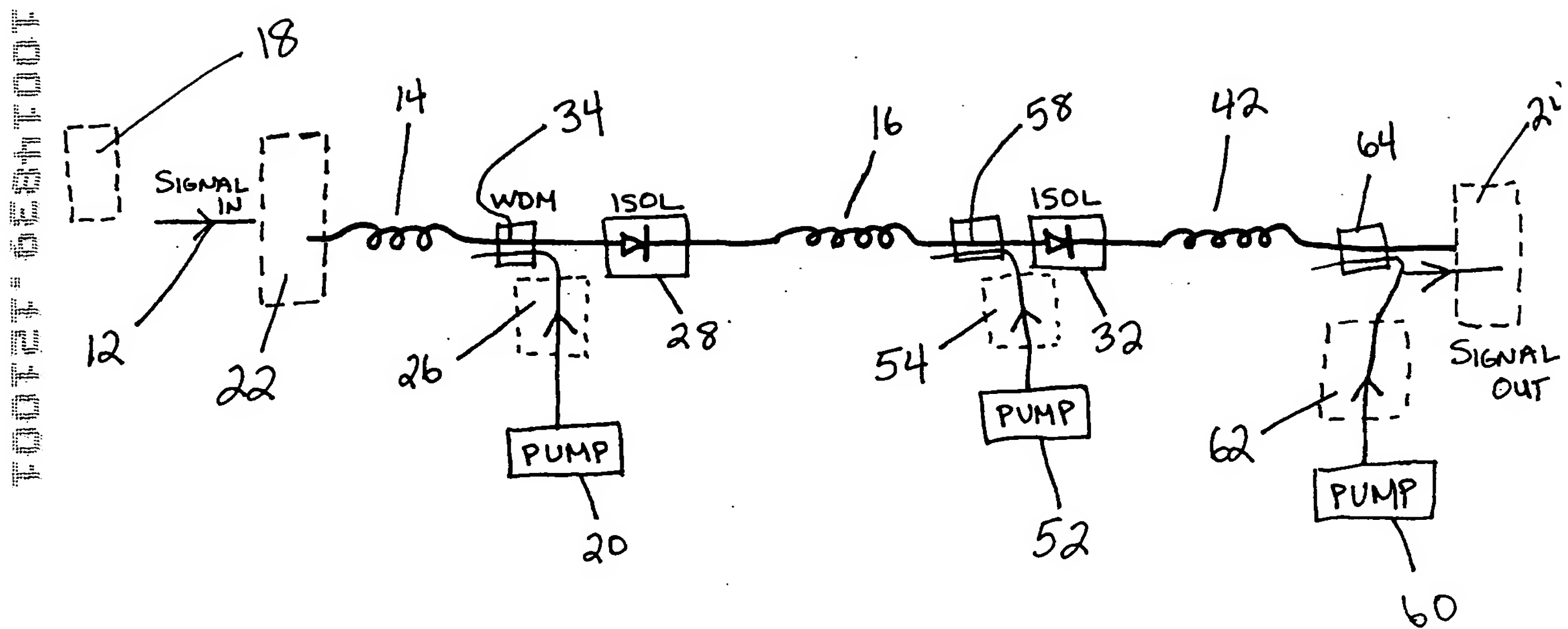


FIG. 9

PUMP

=

FOOT-684700

PUMP
SOURCE

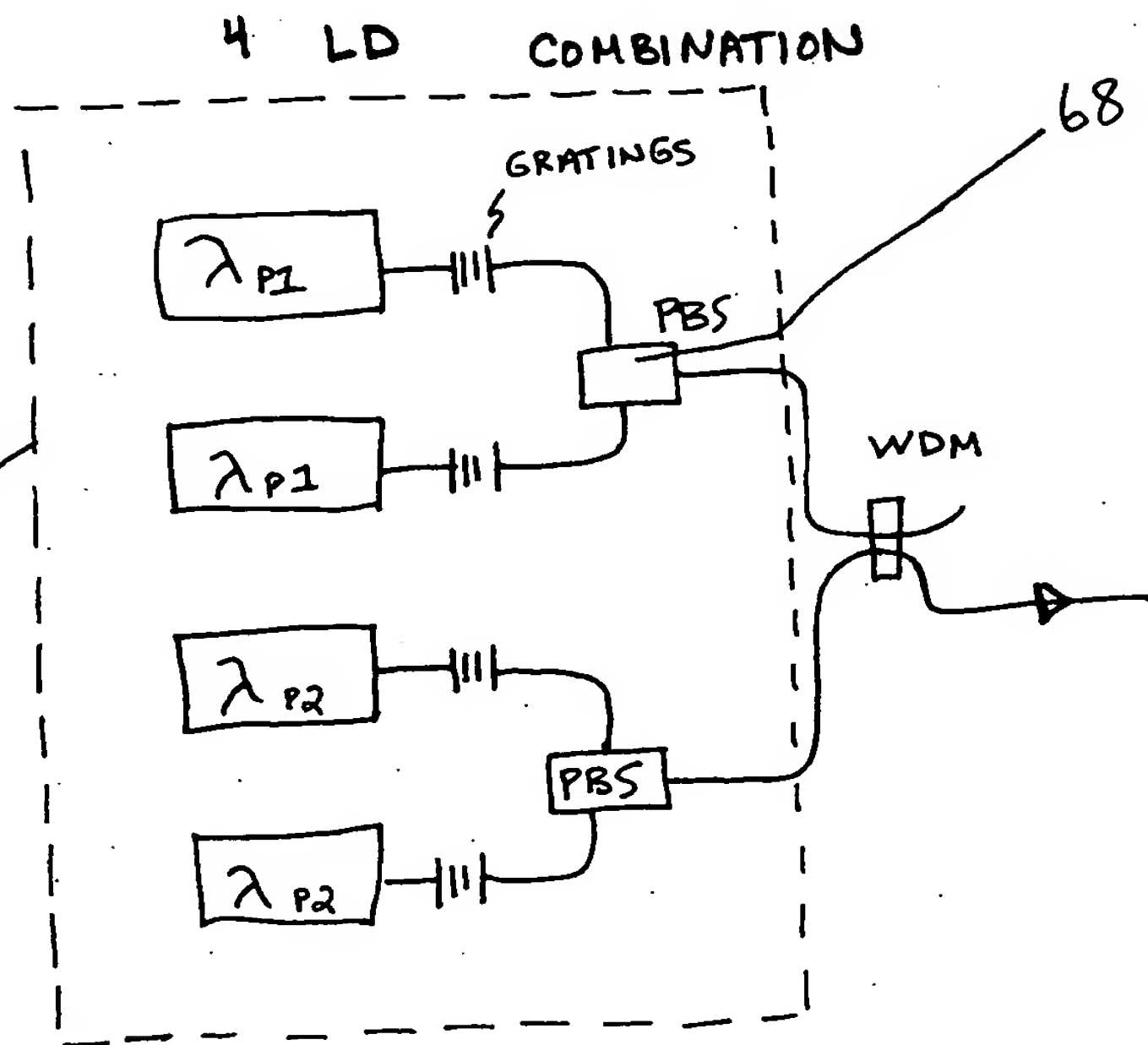


FIG. 10

8 LD COMBINATION

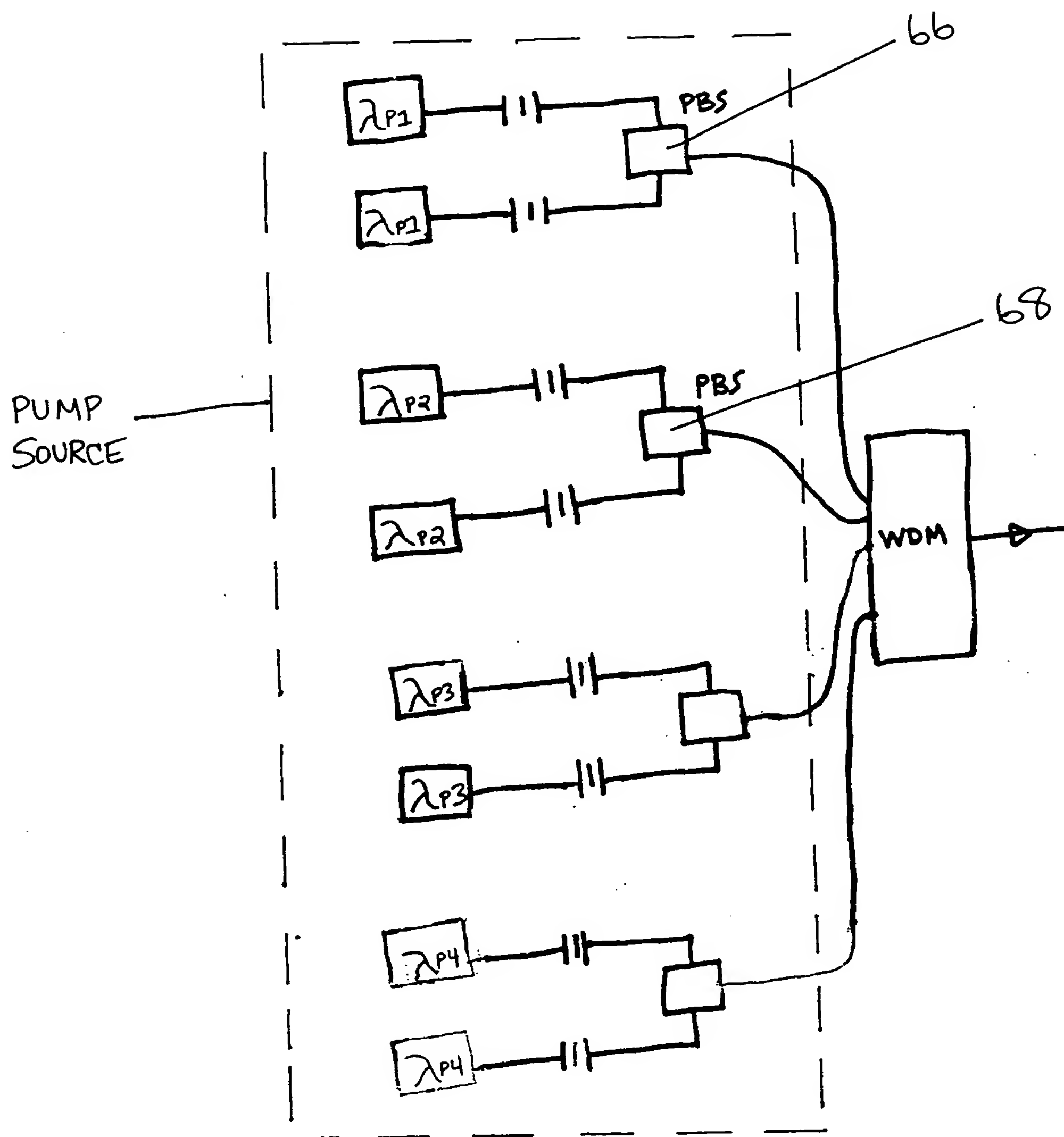


FIG. 11

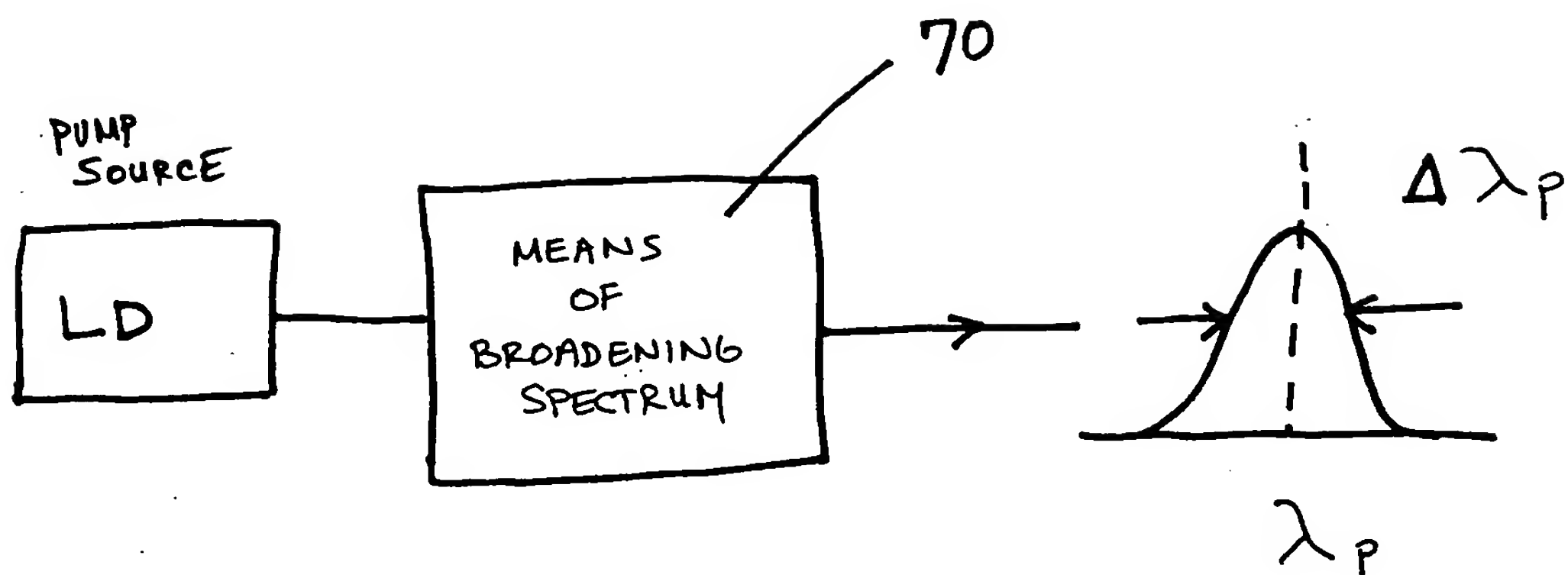


FIG. 12

TOTAL SECTOR

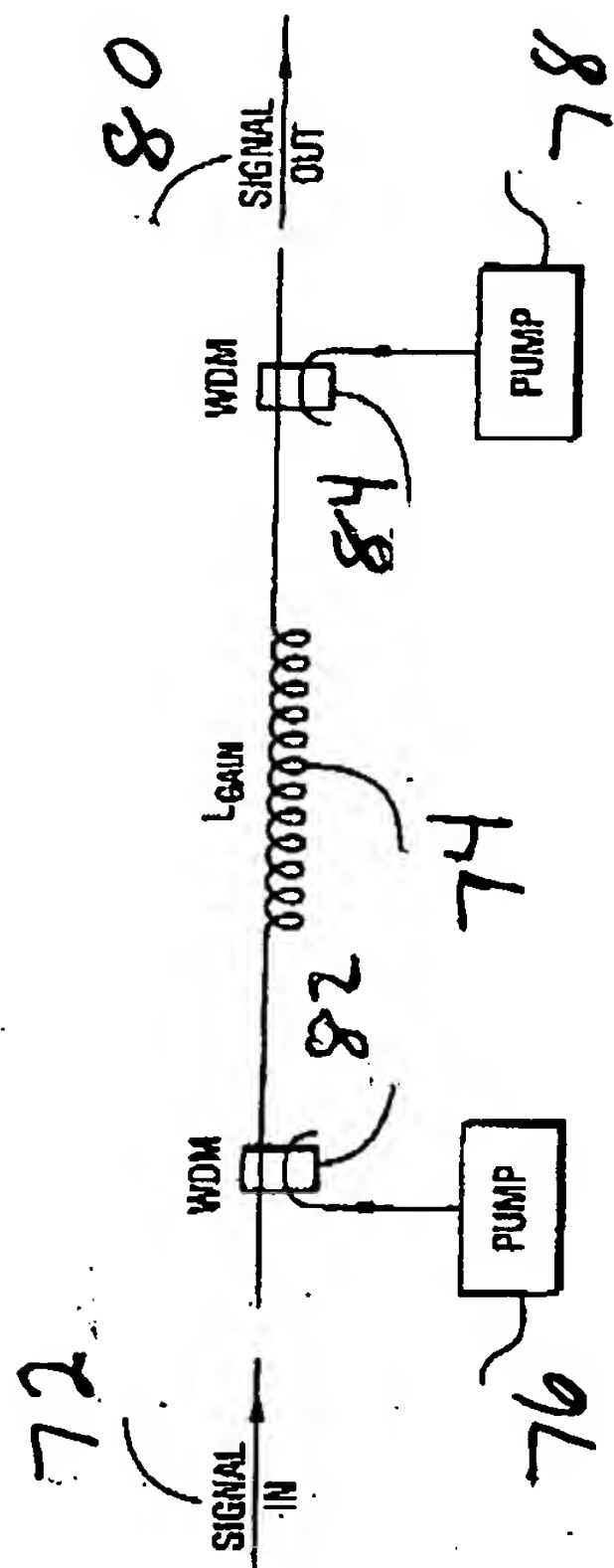
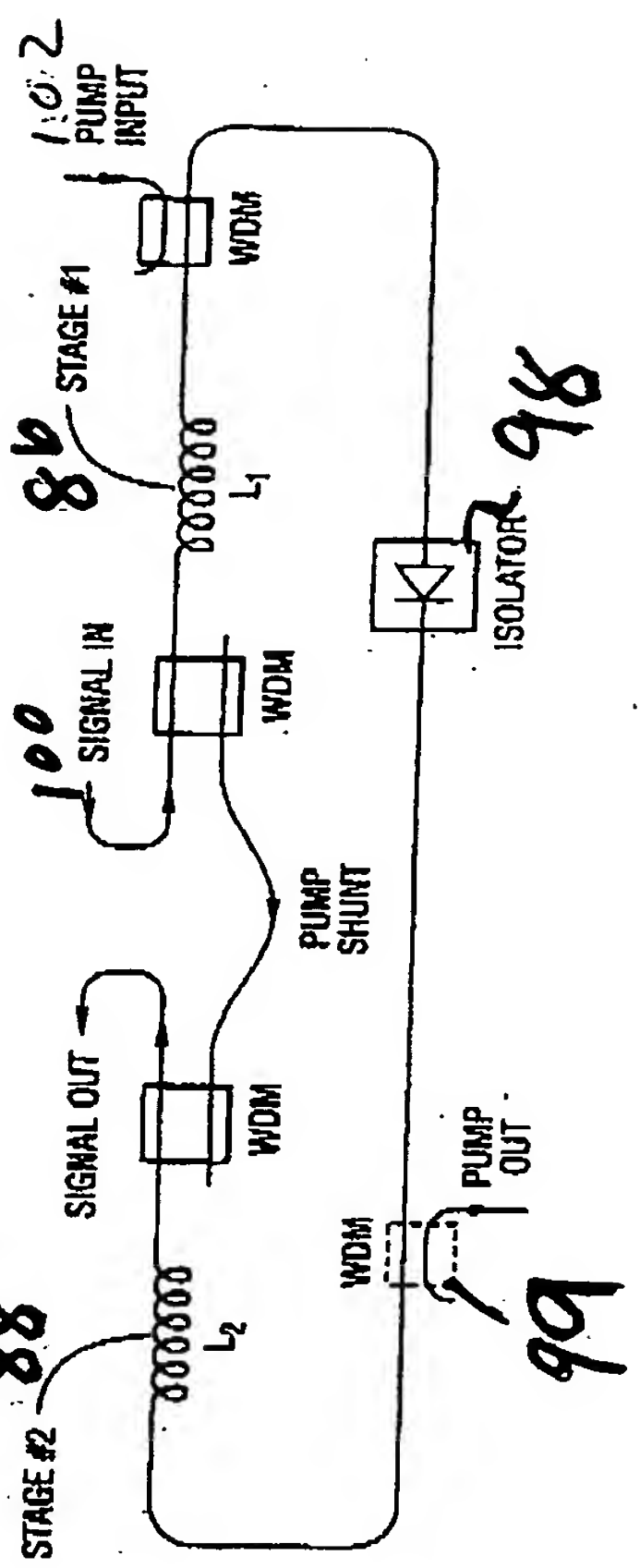
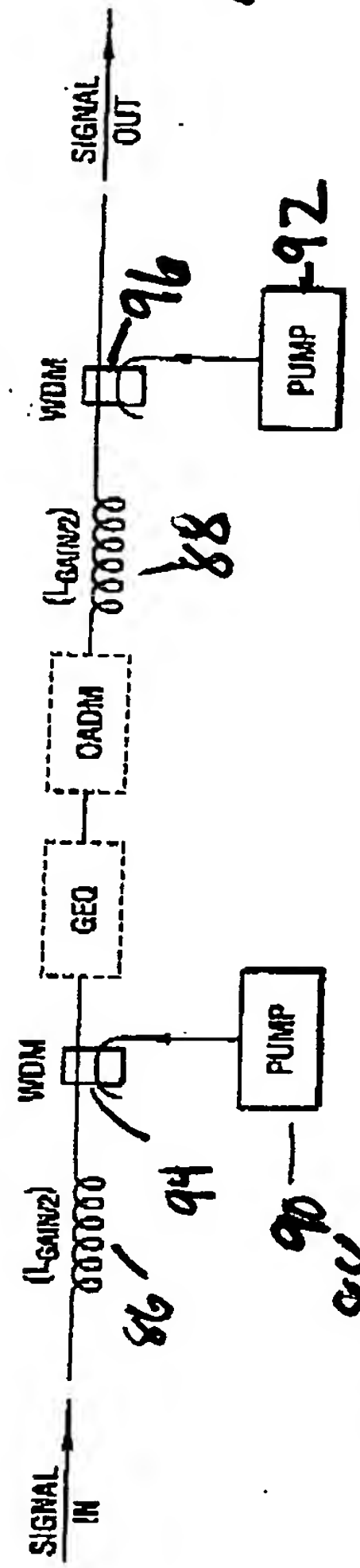
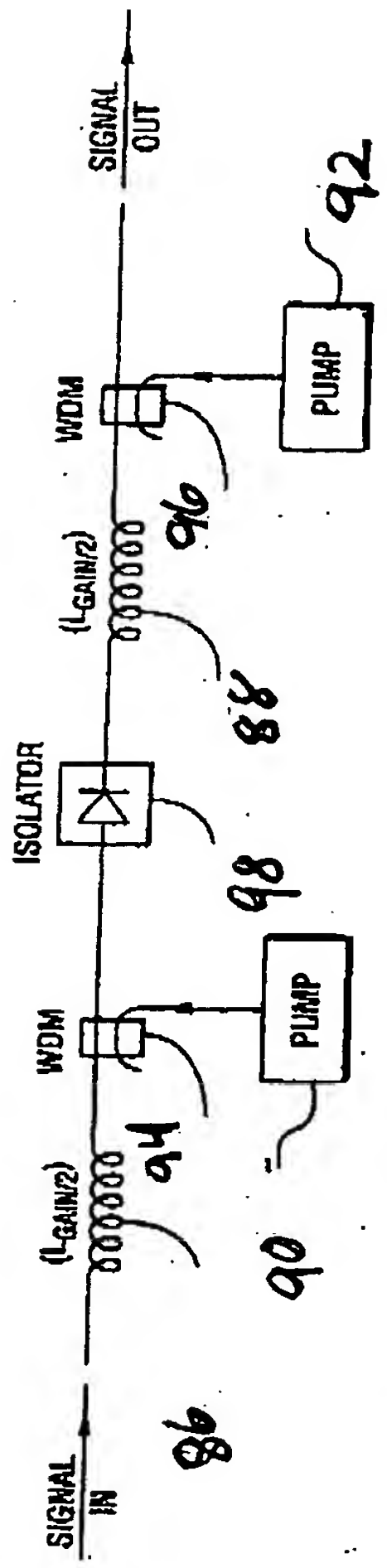


Fig 13(a)

FIG. 3 - DETECTOR



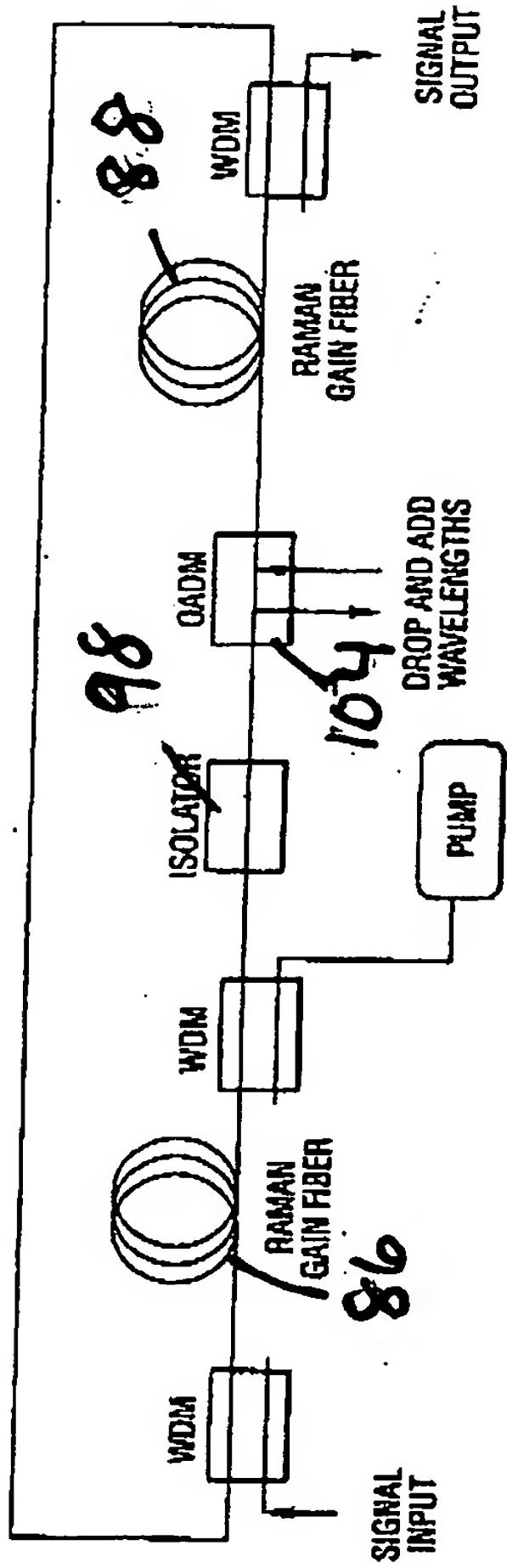


Fig 13(e)

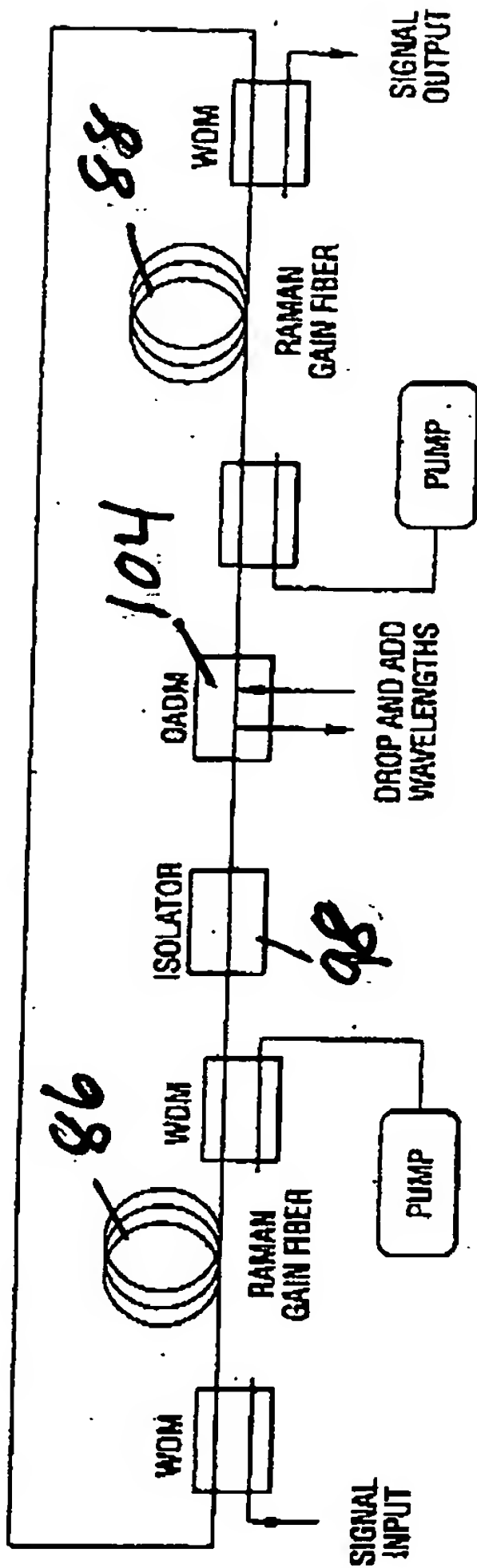
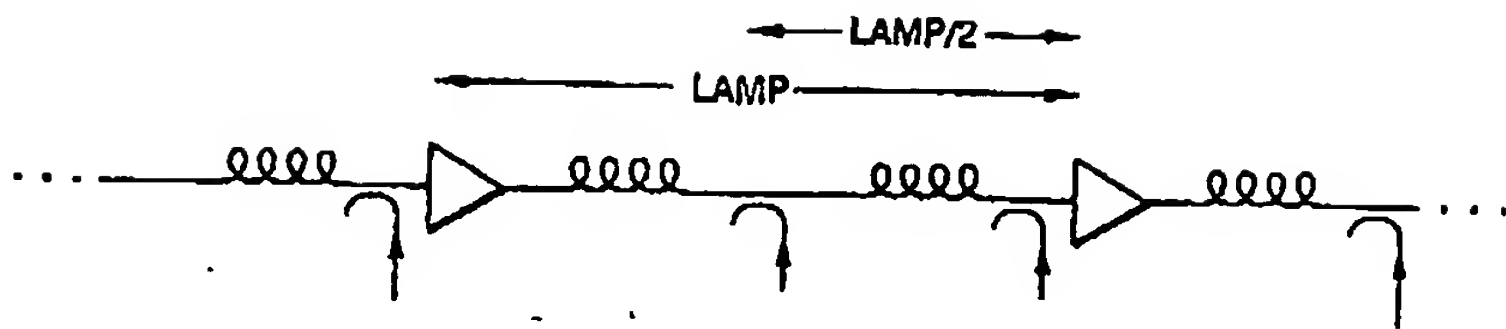
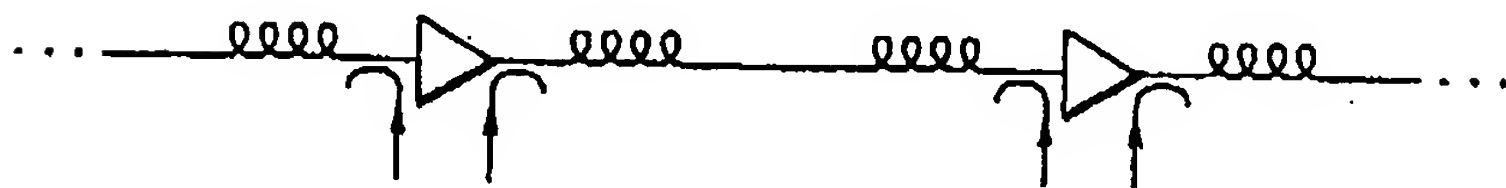


Fig 13(f)



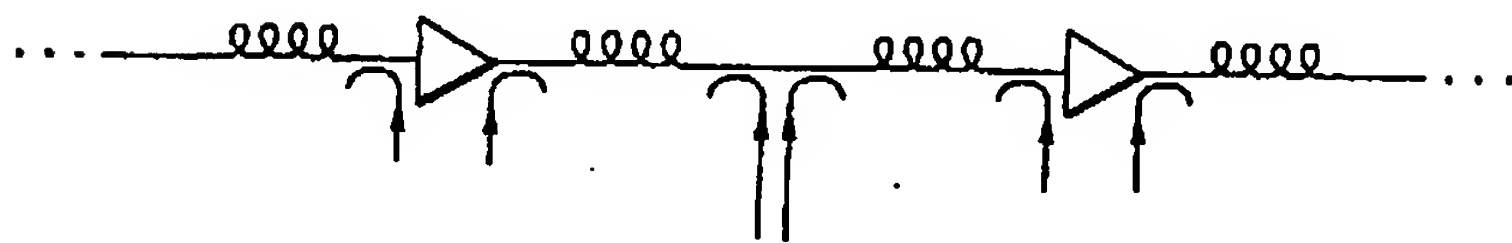
PUMPS

Fig 14(a)



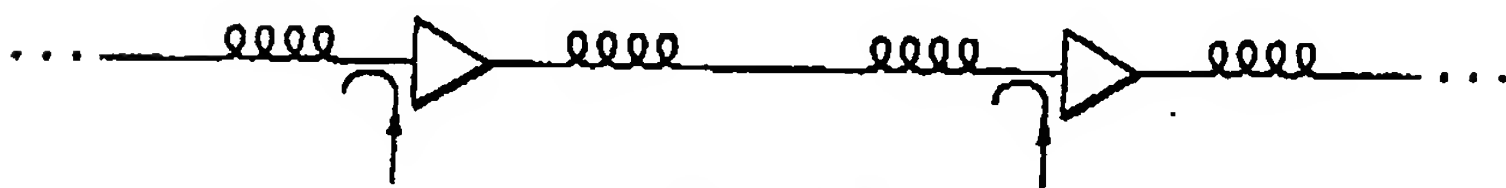
PUMPS

Fig 14(b)



PUMPS

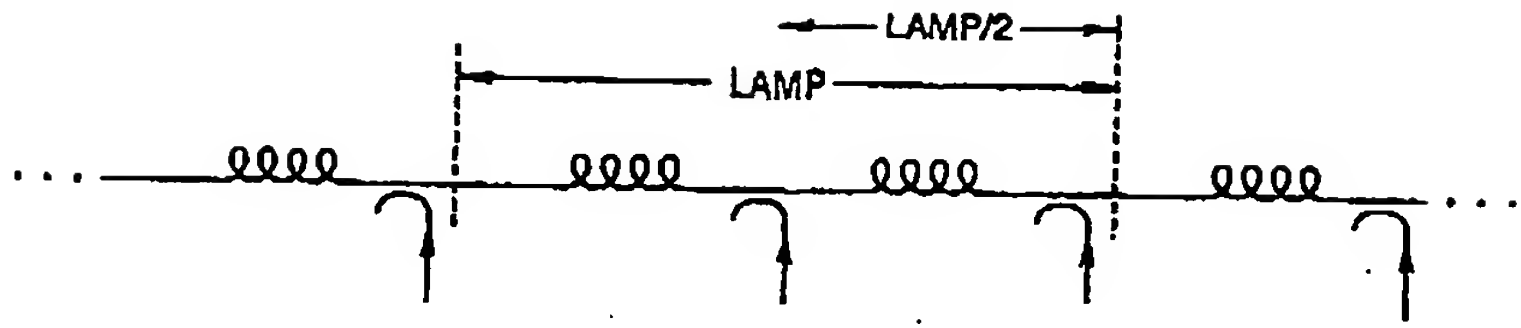
Fig 14(c)



PUMPS

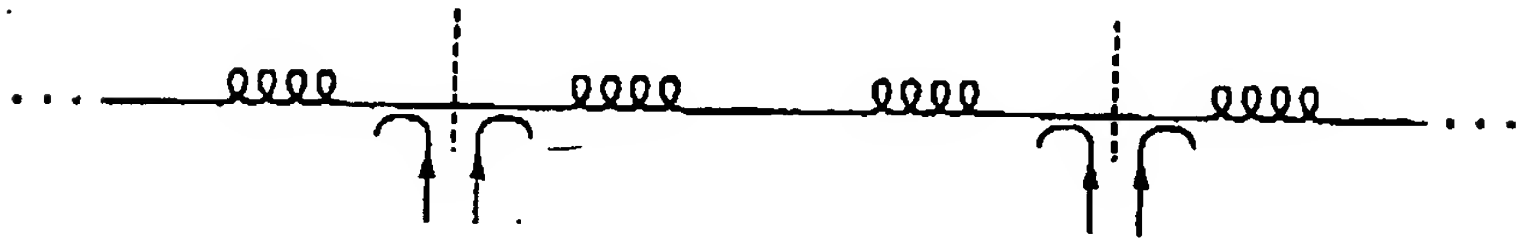
Fig 14(d)

TOP SECRET



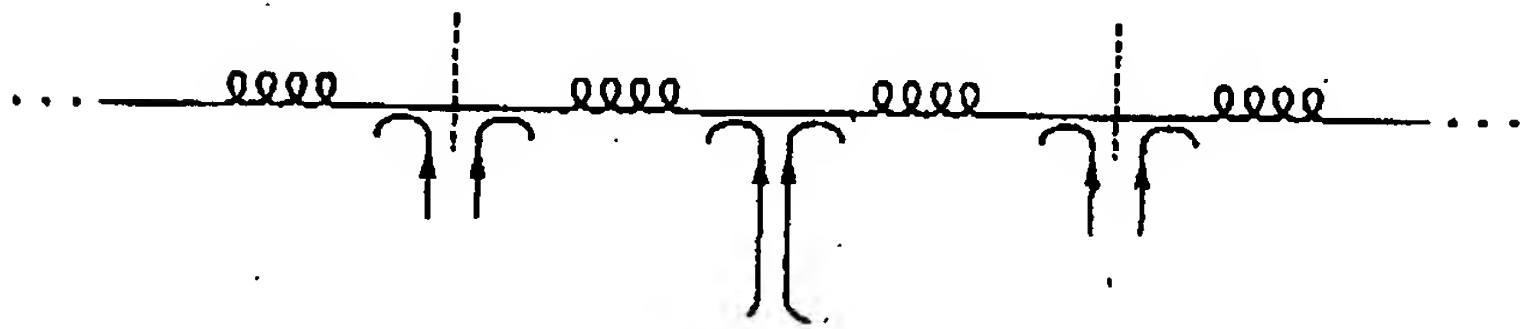
PUMPS

Fig. 15(a)



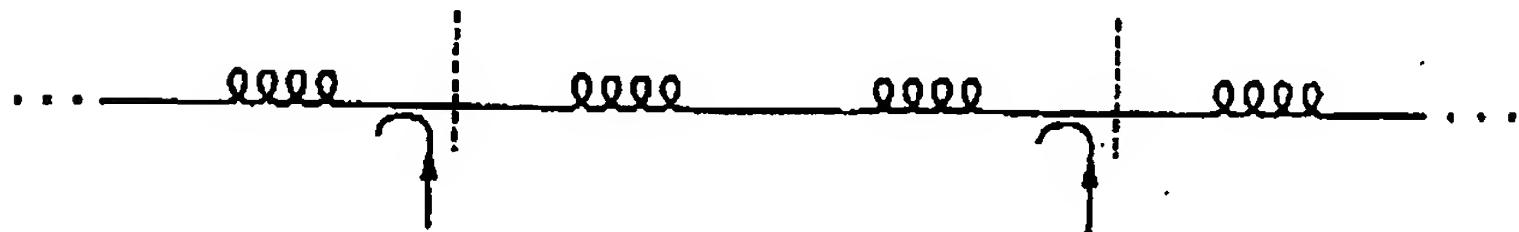
PUMPS

Fig. 15(b)



PUMPS

Fig. 15(c)



PUMPS



Fig. 15(d)

TOP SECRET

106

112 110

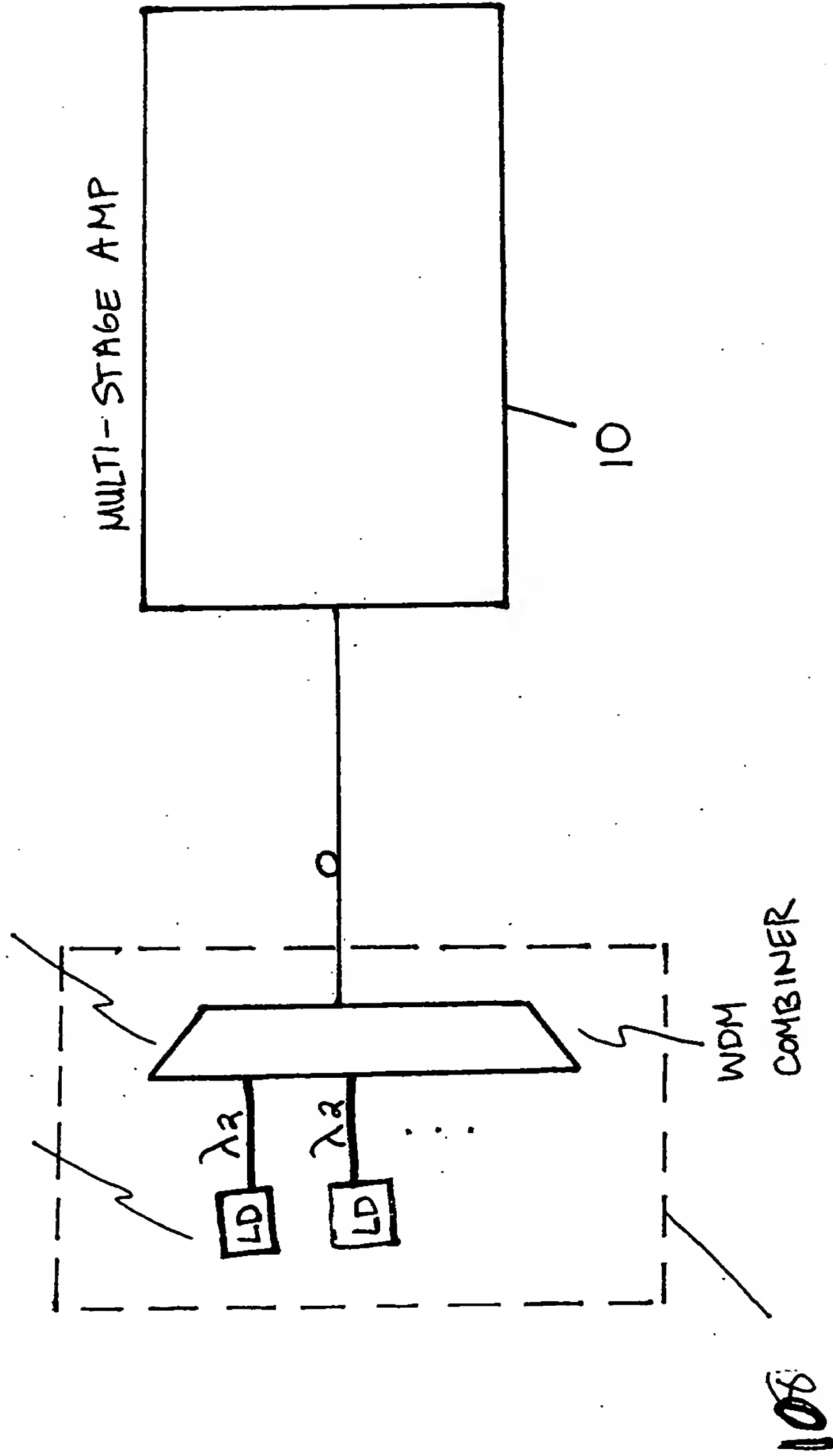
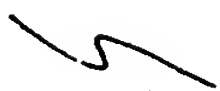


FIG. -16

FOOT SHEET

113

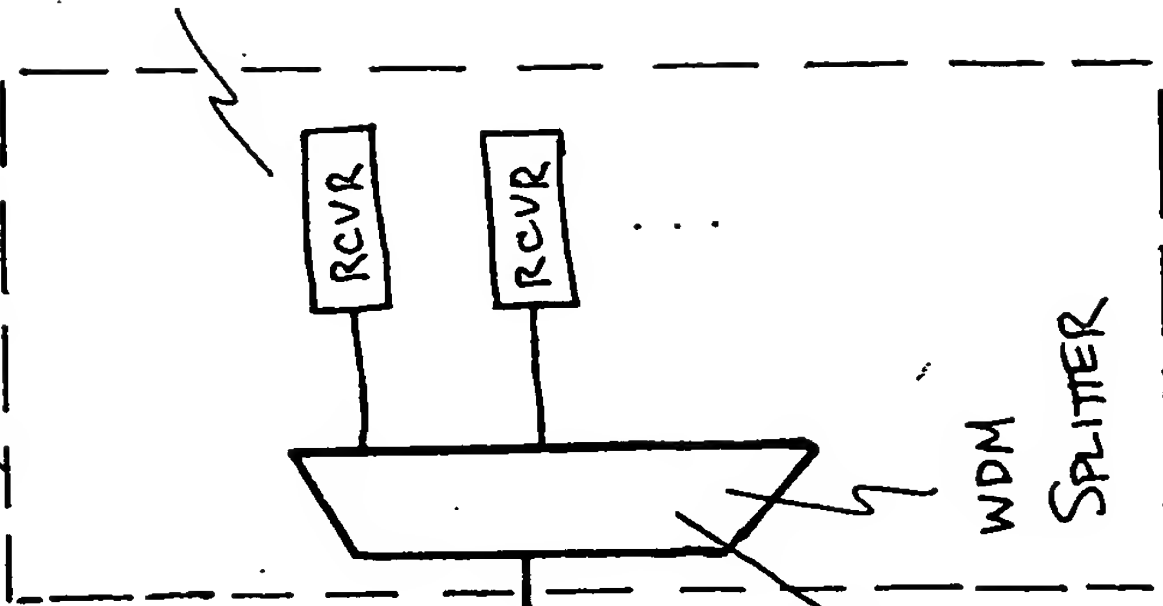


MULTI-STAGE AMP

10

114

118



116

FIG. 17

FOOT-CENT 120

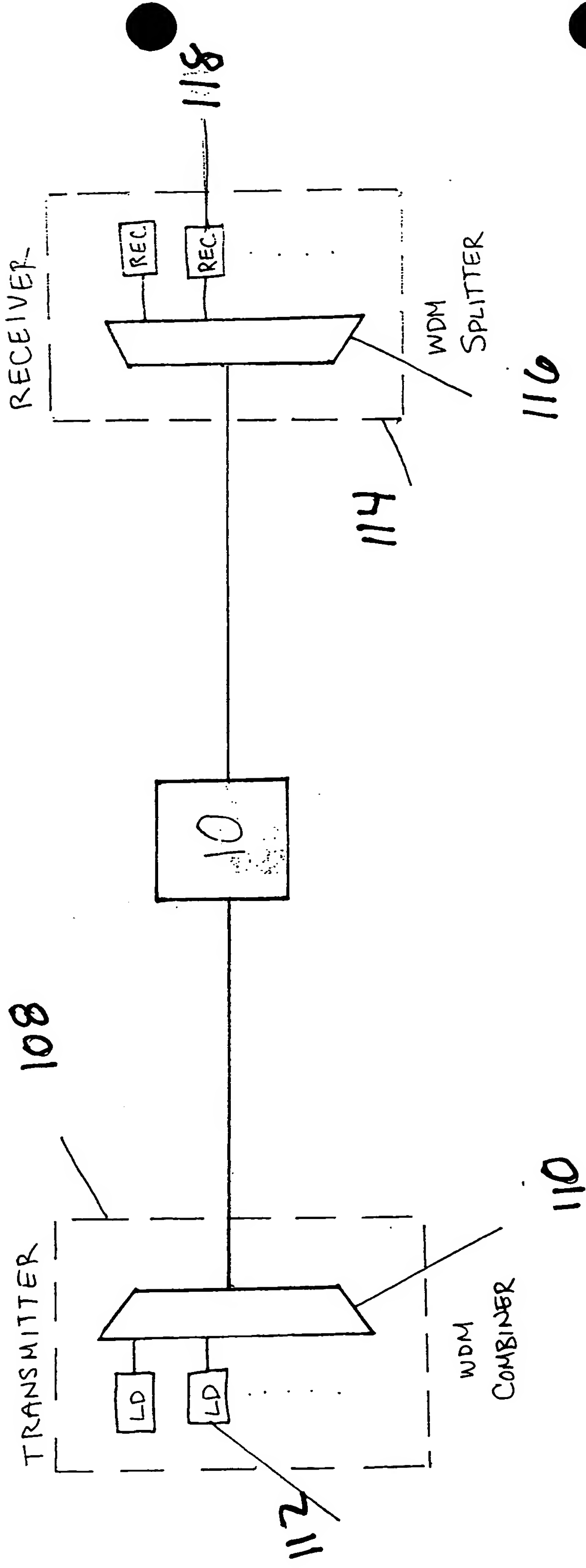


FIG. 18

FIG. 19

124

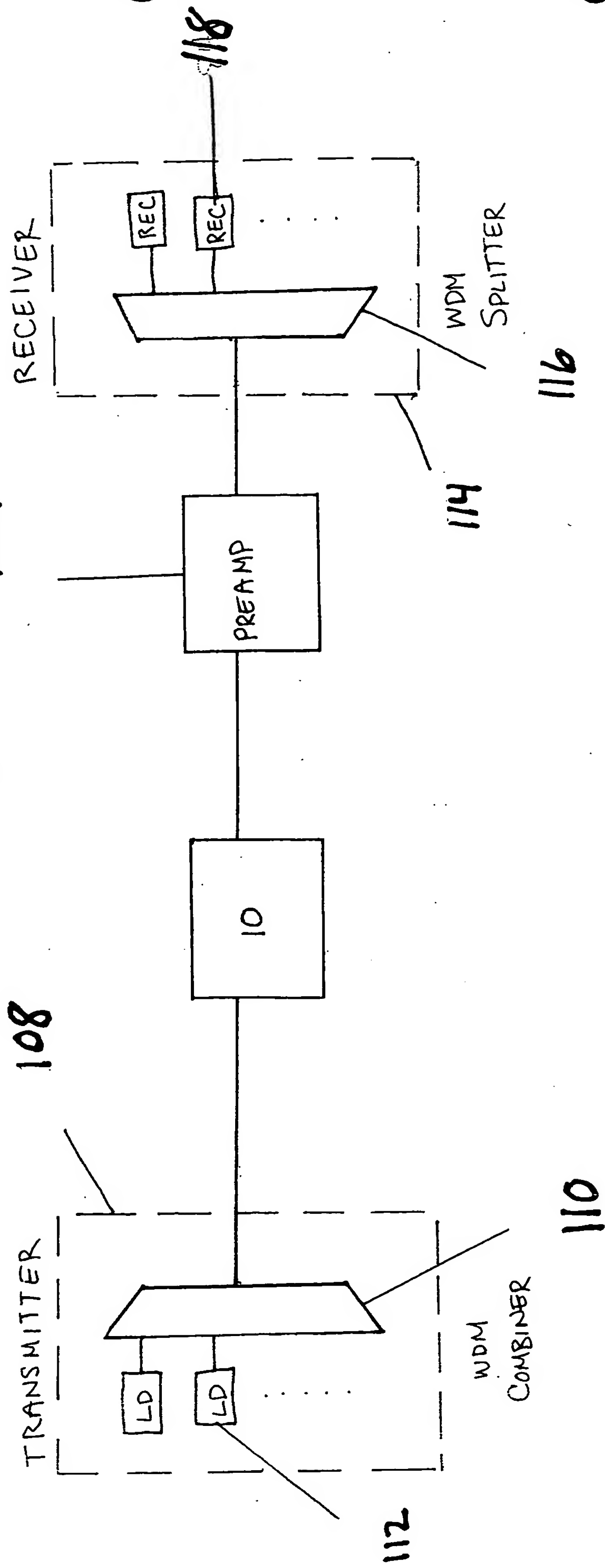


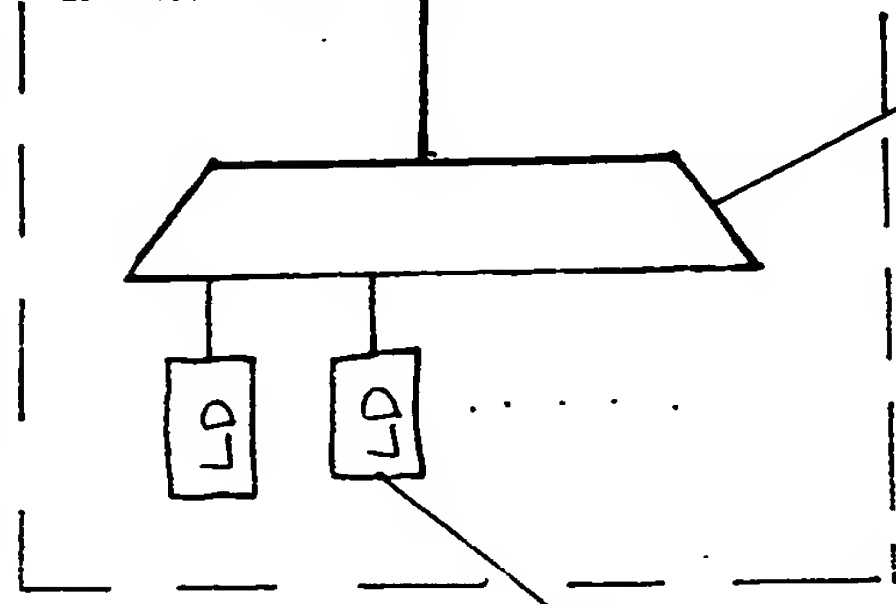
FIG. 19

126
TOTAL GAIN

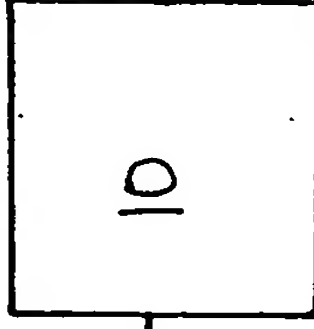


108

TRANSMITTER



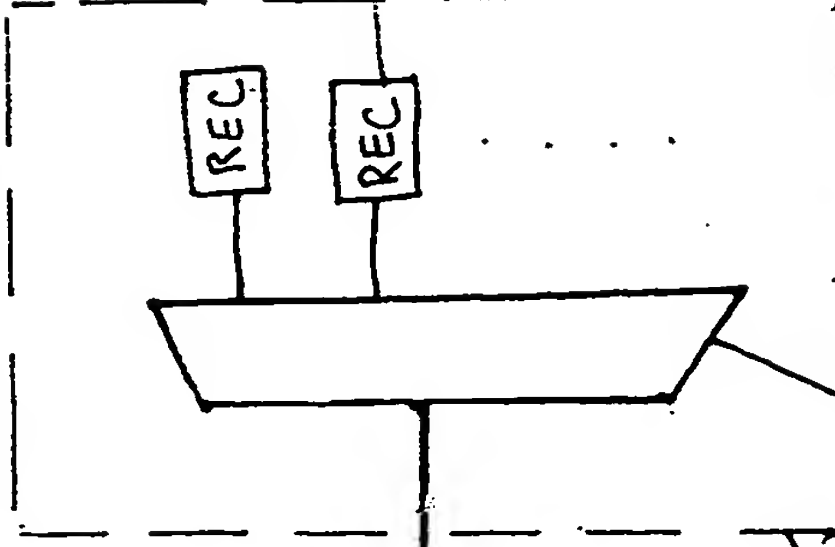
BOOSTER
AMP



10

114

RECEIVER



118

128

110

116

FIG. 20

FIG. 21

130

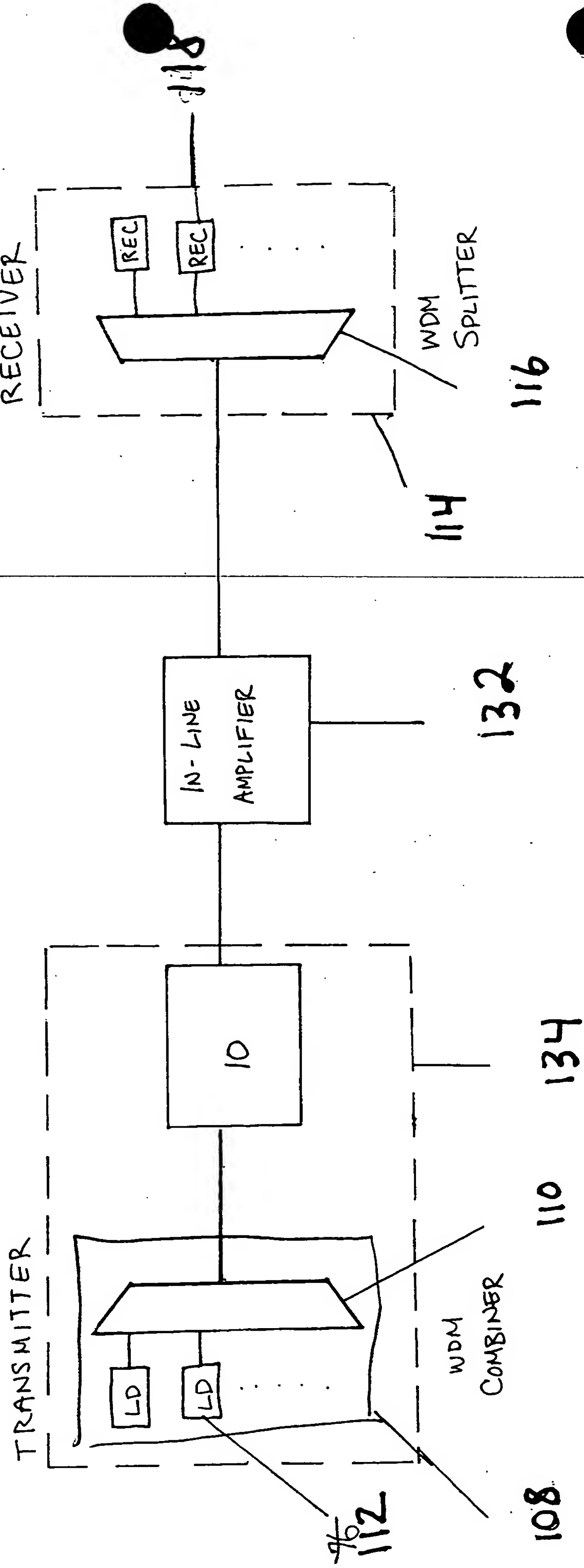


FIG. 21

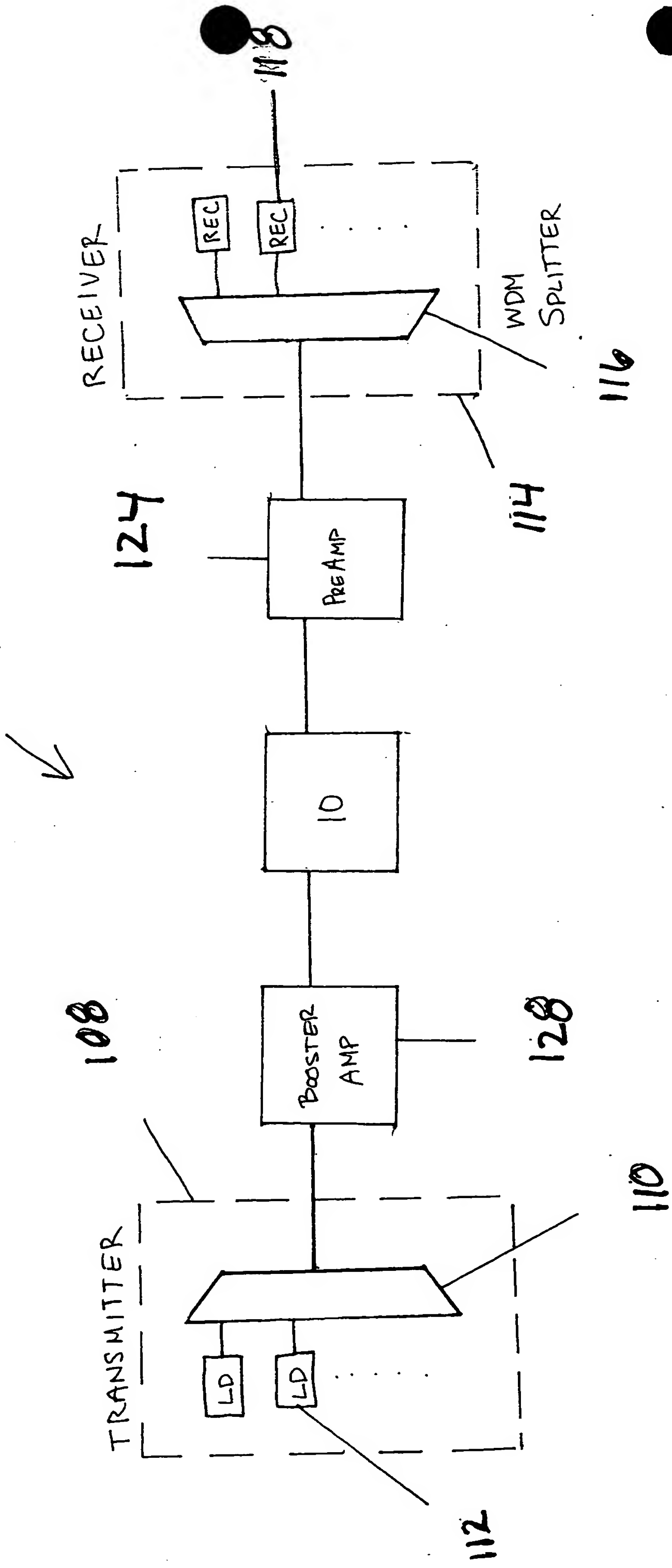


FIG. 22

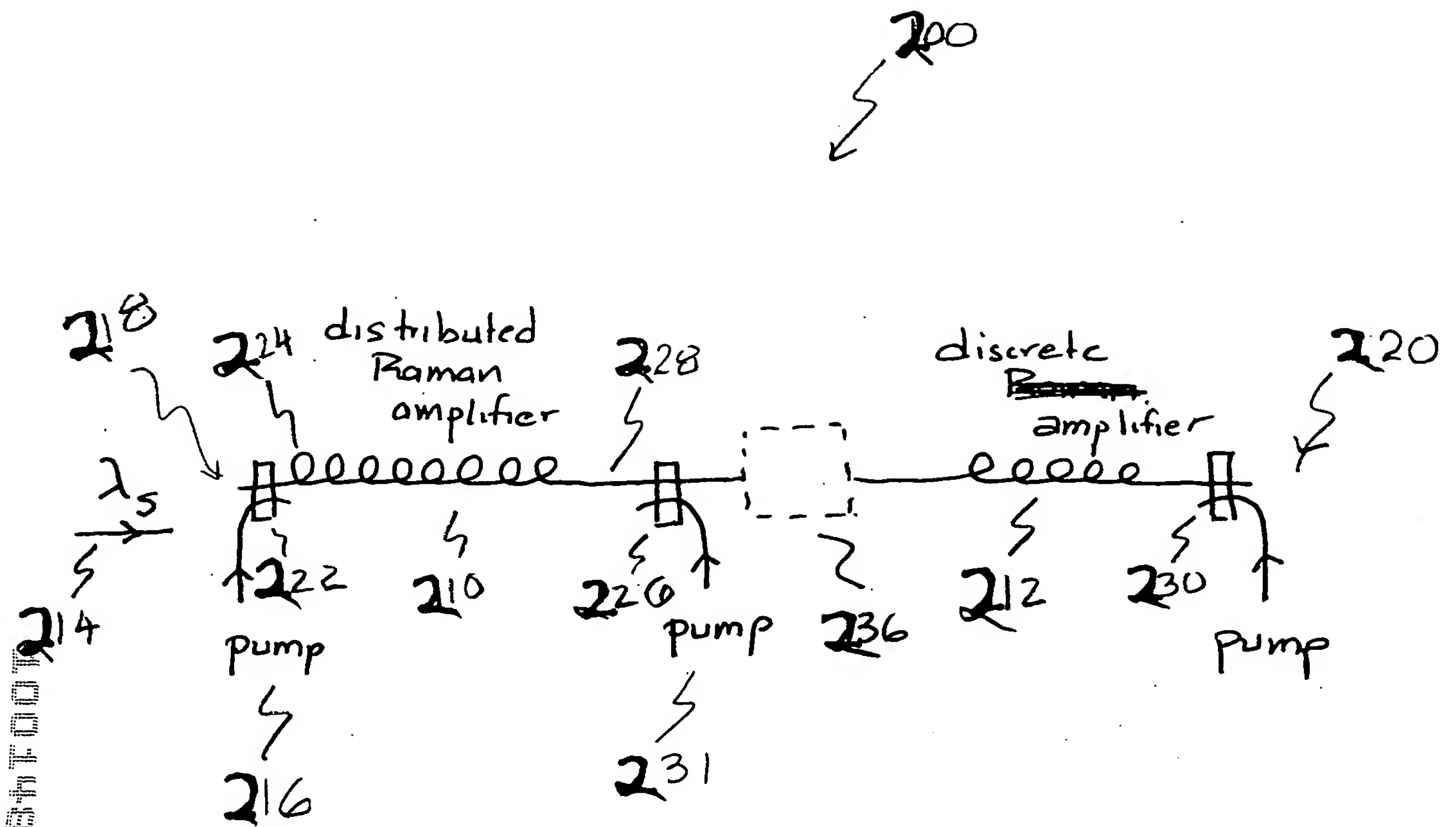


Fig 23 (a)

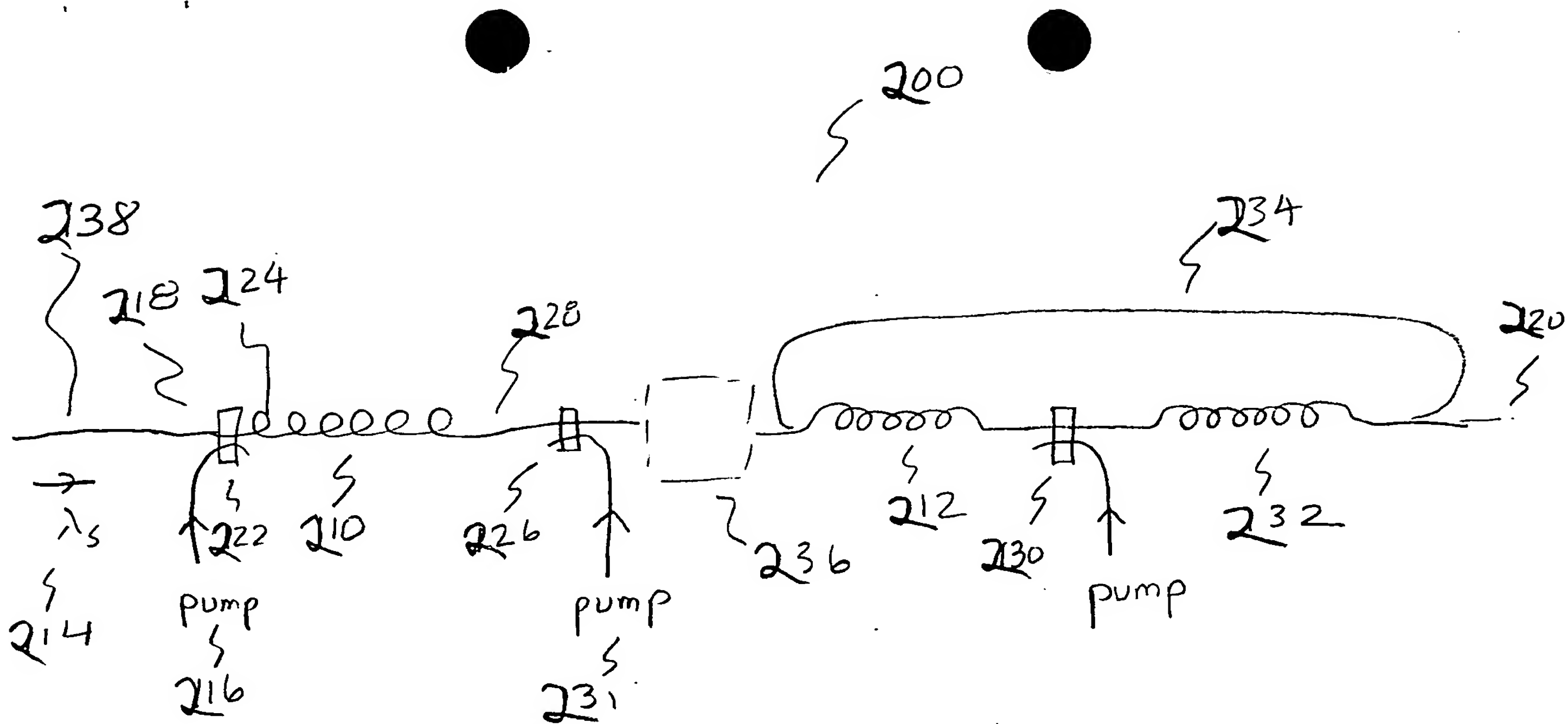


Fig 23 (b)

100448-1004

Transmitters

Receivers

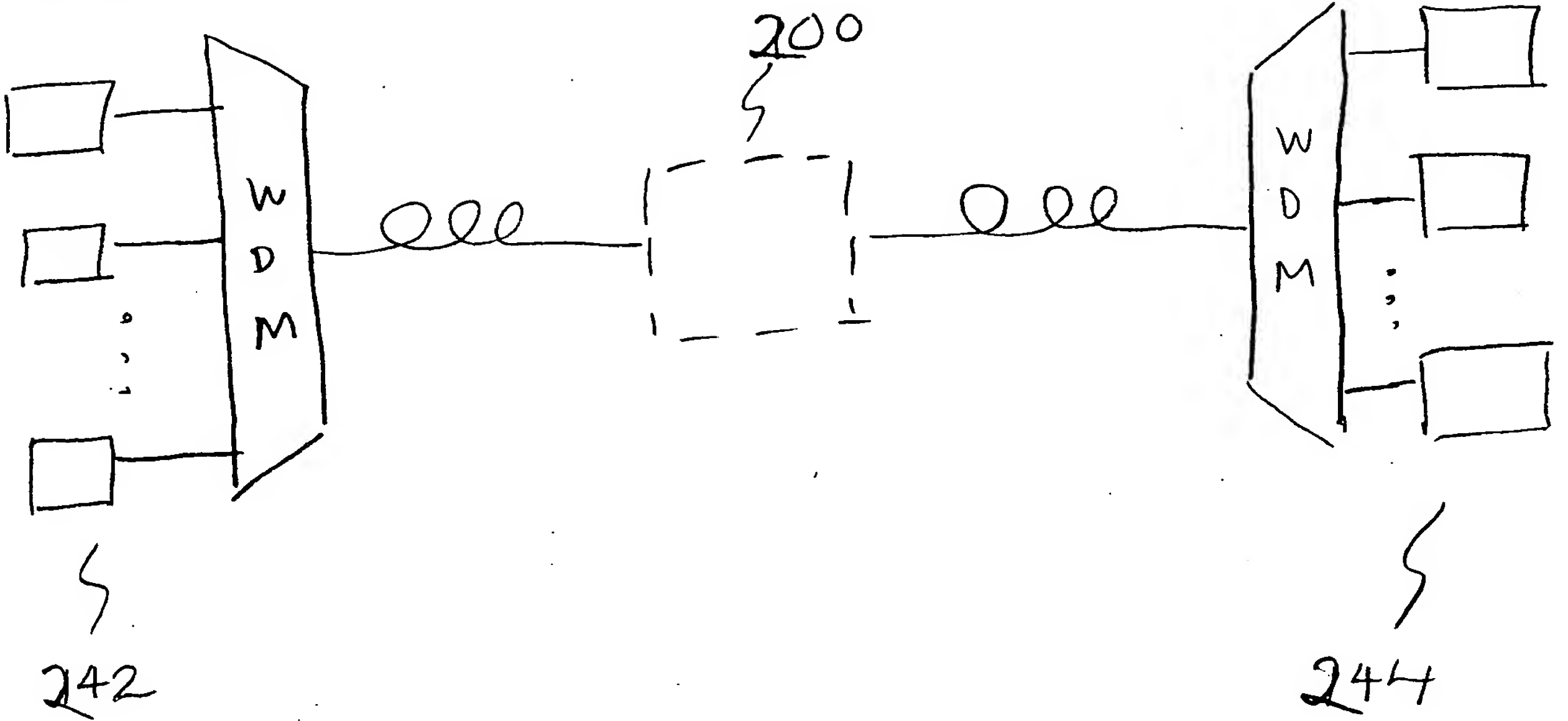


Fig 23.(c)

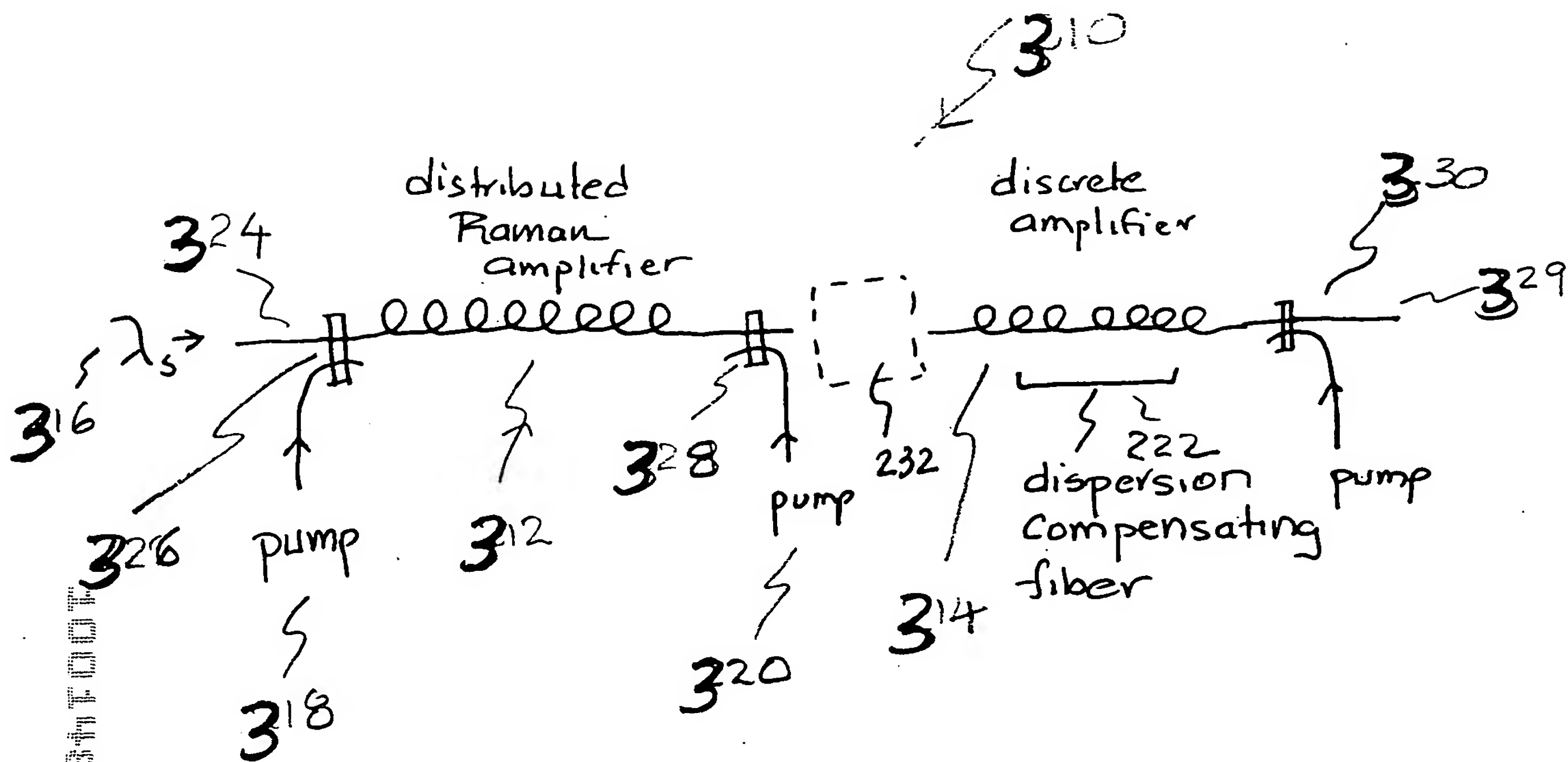


Fig 24(a)

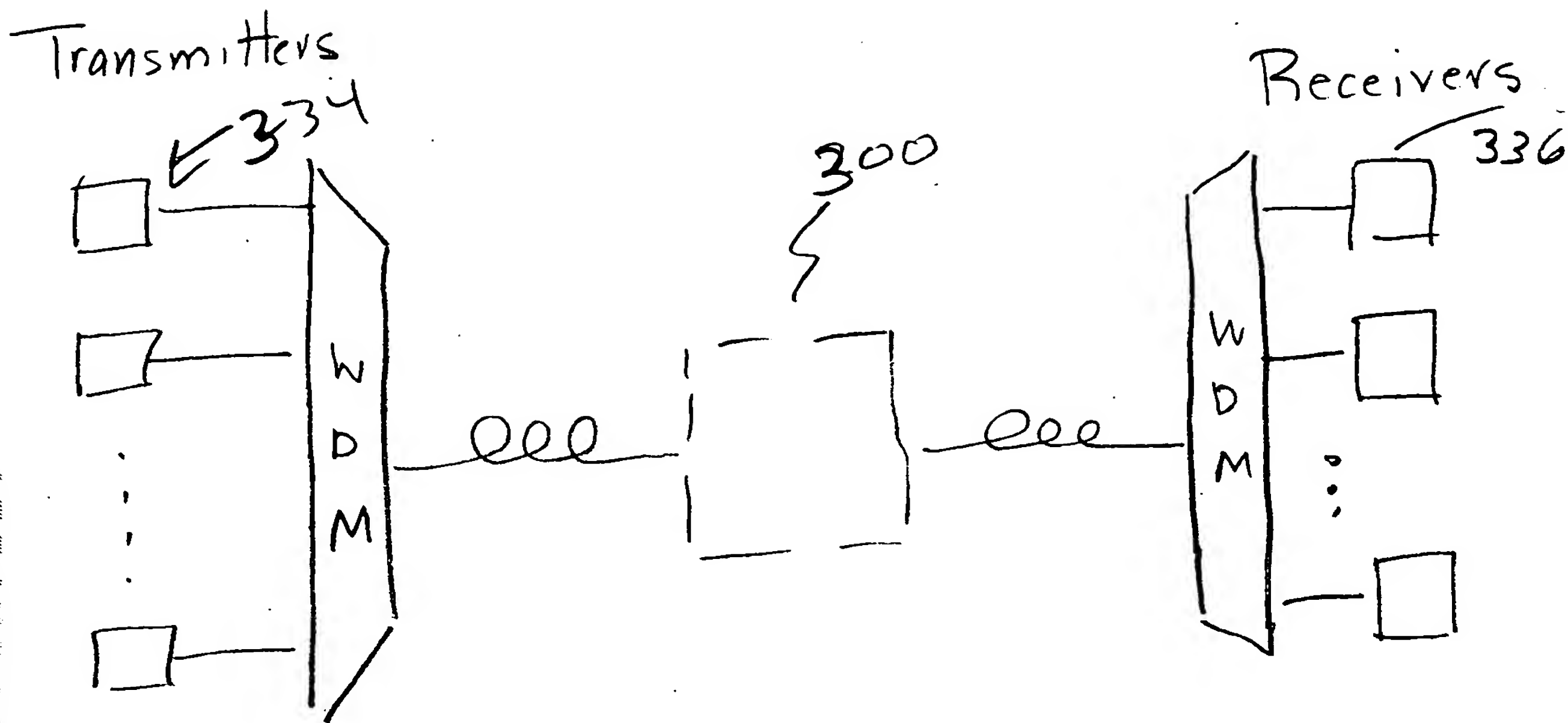


FIG. 24(b)

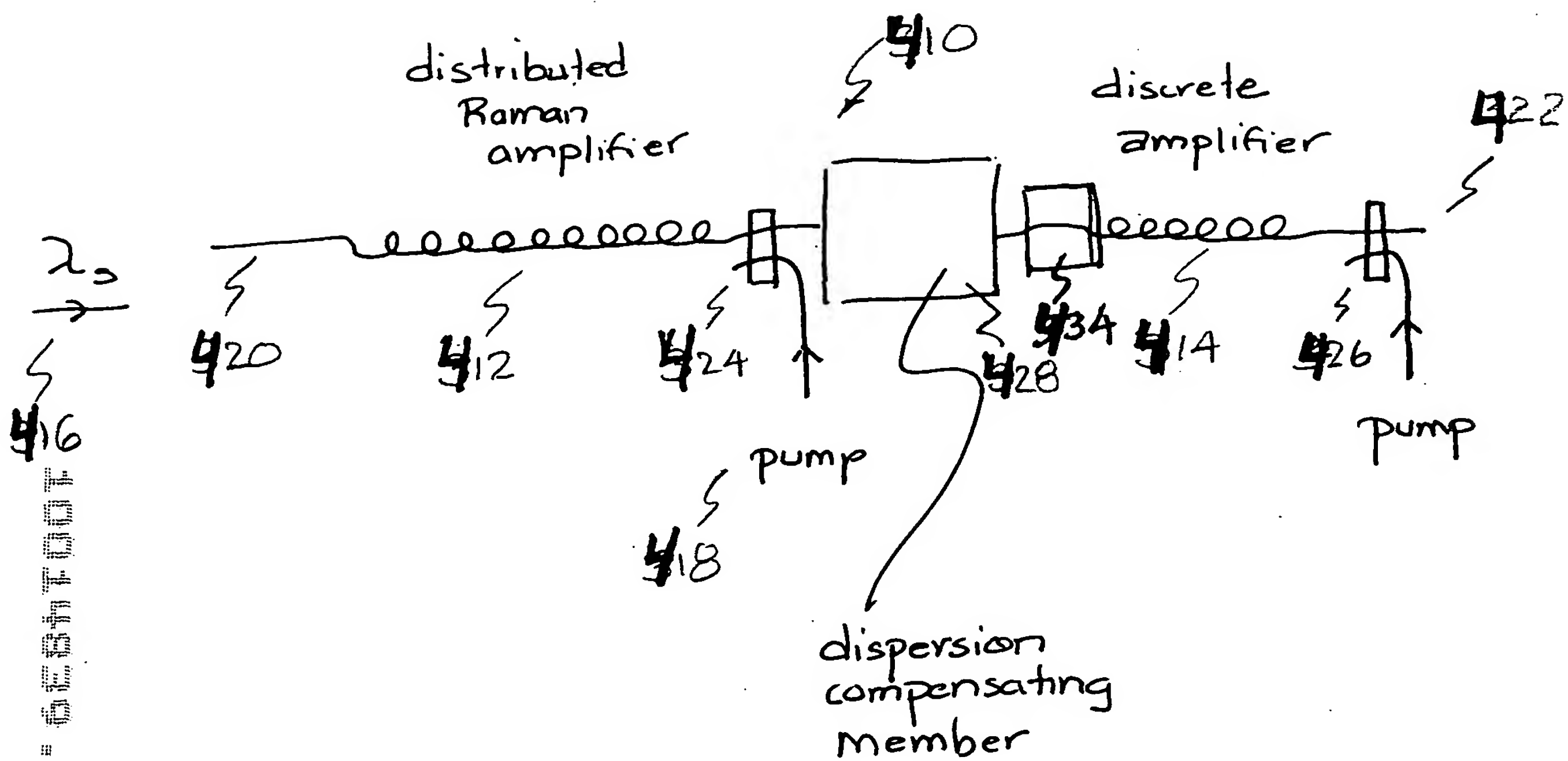


Fig 25(a)

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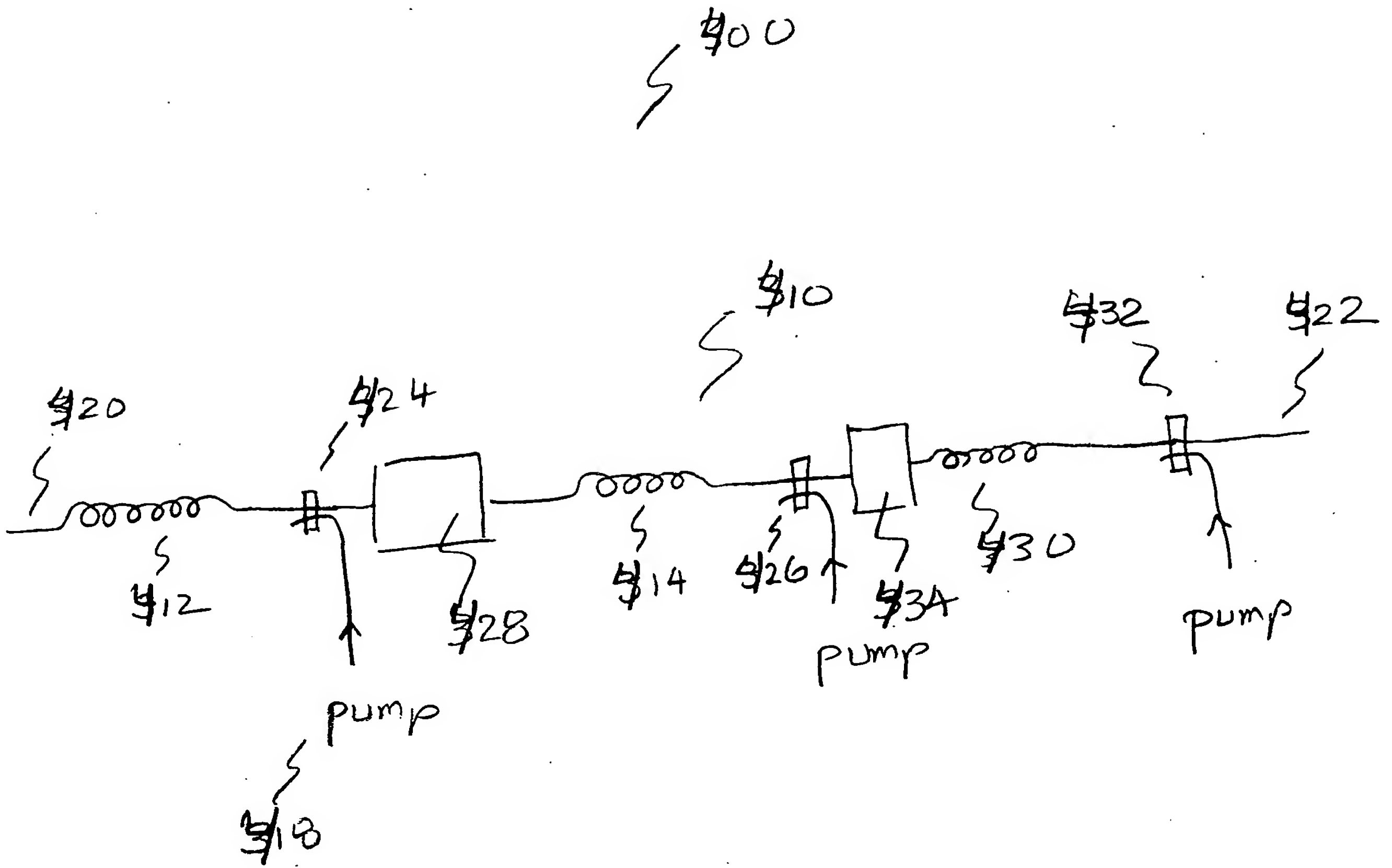


Fig. 25(b)

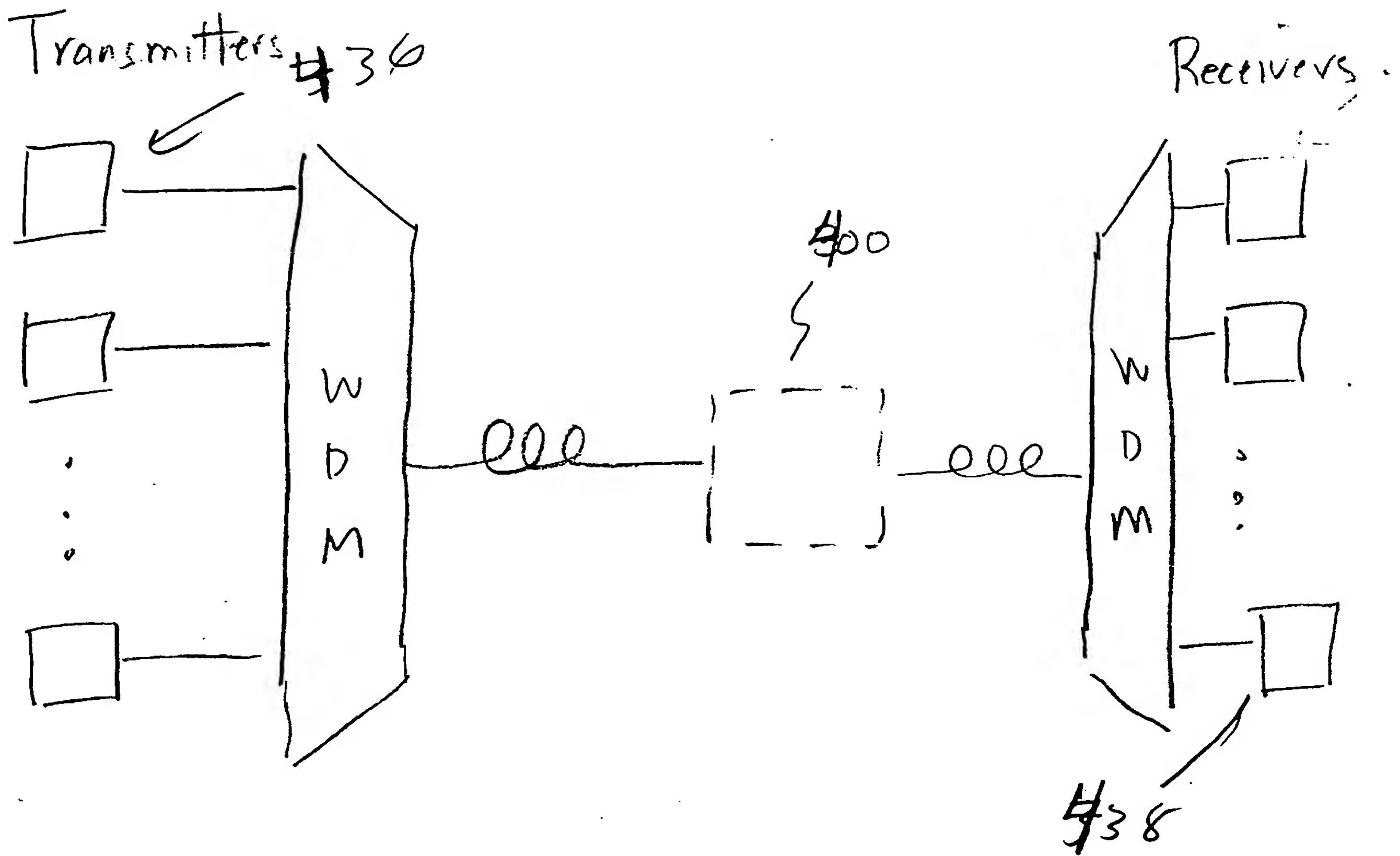


FIG 25.(C)

500

FIG. 2

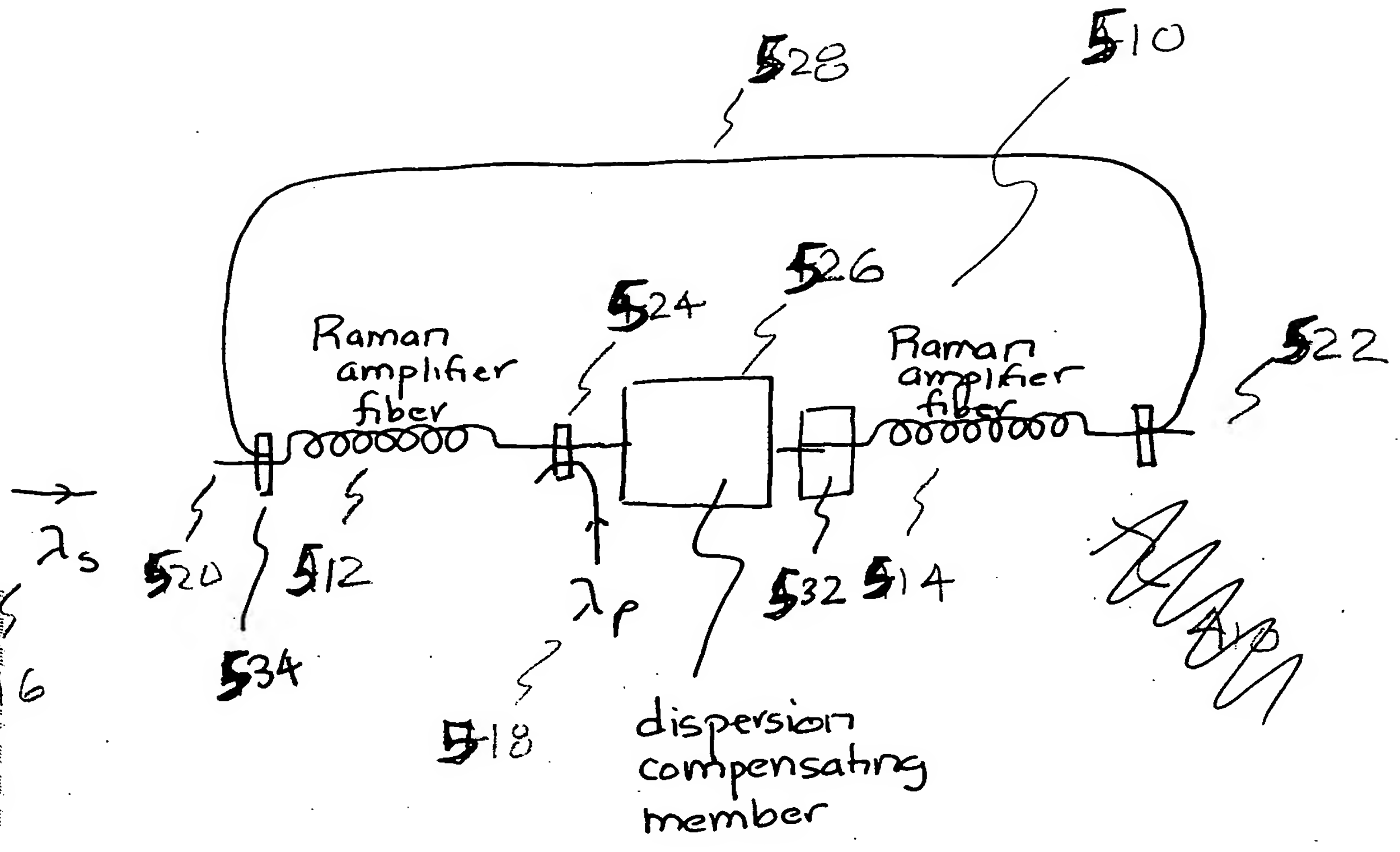


Fig 2 (a)

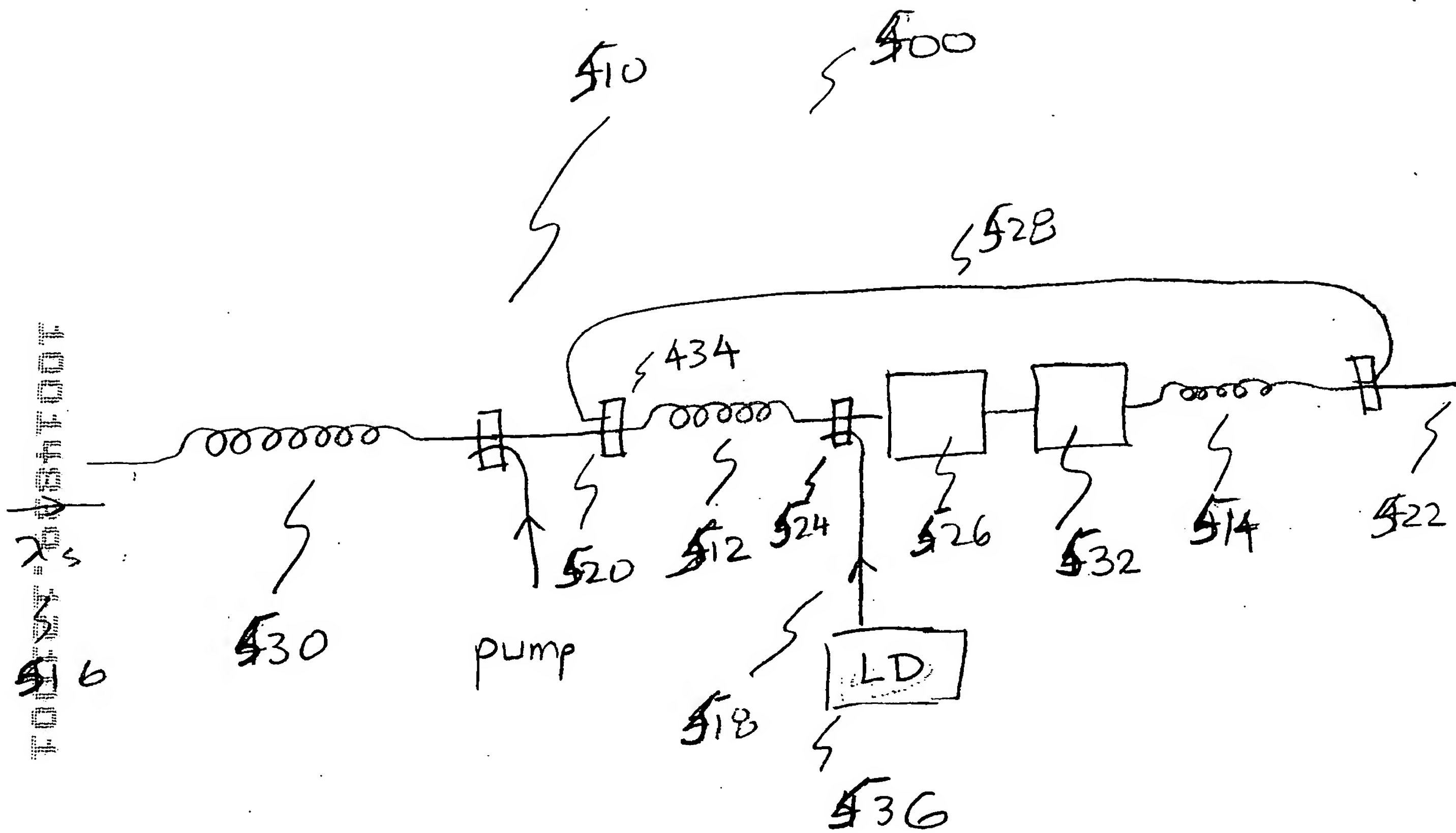


FIG 26(b)

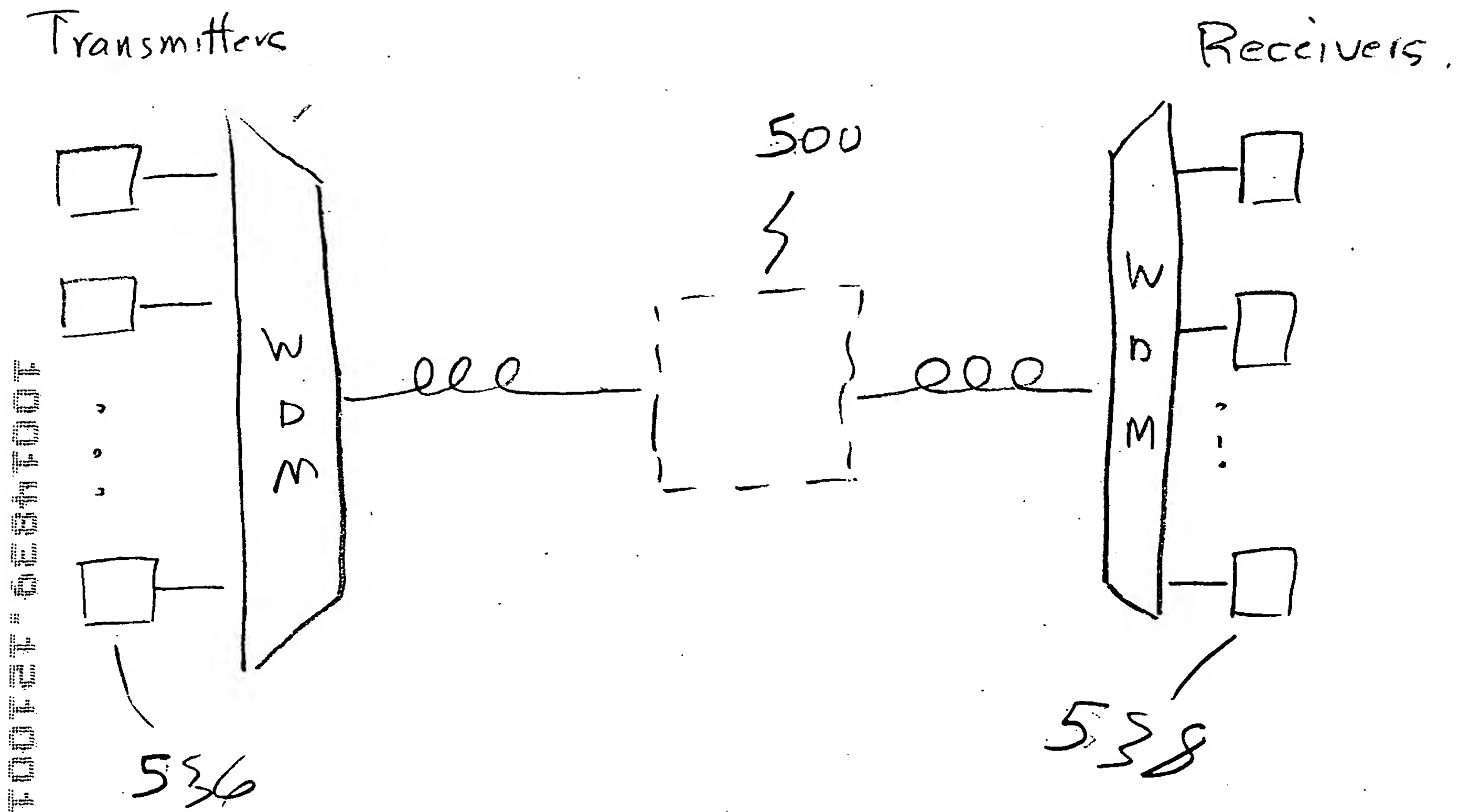


FIG. 26(c)